

DETAILS

| | |
|------------------------|------------------|
| Product Number | CA11934_EMILY-W |
| Family | Emily |
| Type | Assembly |
| Color | clear |
| Diameter | 26 mm |
| Height | 14,9 mm |
| Style | round |
| Optic Material | PMMA |
| Holder Material | |
| Fastening | tape, pin |
| Status | production ready |
| ROHS Compliant | Yes |
| Date Updated | 9/06/2016 |



OPTICAL PROPERTIES

| LED | Viewing | Light | Effi- | cd/lm | Connector |
|------------------|---------|-------|-----------|------------|-----------|
| | Angle | Beam | ciency | | |
| XM-L | 36 deg | Wide | 86 % | - | - |
| XP-E | 39 deg | Wide | 86 % | 1.600 | - |
| XP-G | 40 deg | Wide | 86 % | 1.500 | - |
| XM-L HVW | sim: 36 | Wide | 86 % | - | - |
| XT-E | 36 deg | Wide | - | 1.500 | - |
| XP-G2 | 38 deg | Wide | 84 % | 1.700 | - |
| XP-E2 | 39 deg | Wide | 84 % | 1.700 | - |
| XM-L2 | 39 deg | Wide | 86 % | 1.700 | - |
| XP-L | 38 deg | Wide | 87 % | 1.710 | - |
| XP-L HI | 36 deg | Wide | 86 % | 1.800 | - |
| XHP35 HD | 39 deg | Wide | 83 % | 1.600 | - |
| LUXEON Rebel ES | 40 deg | Wide | 88 % | - | - |
| LUXEON Rebel | 40 deg | Wide | 86 % | - | - |
| LUXEON A | 40 deg | Wide | 84 % | - | - |
| NCSxx19A | 40 deg | Wide | 86 % | - | - |
| NVSxx19A | 40 deg | Wide | 86 % | - | - |
| NS9x383 | 34 deg | Wide | 84 % | 1.800 | - |
| NCSxx19B | sim: 45 | Wide | sim: 86 % | sim: 1.000 | - |
| Oslon SSL 80 | 40 deg | Wide | 86 % | 1.250 | - |
| Oslon SSL 150 | 40 deg | Wide | 86 % | - | - |
| Oslon Square EC | 38 deg | Wide | 84 % | 1.860 | - |
| Oslon Black Flat | sim: 32 | Wide | sim: 94 % | sim: 3.500 | - |
| Oslon Black | sim: 36 | Wide | sim: 96 % | sim: 2.800 | - |
| LH351B | 38 deg | Wide | 88 % | 1.800 | - |
| LH351Z | 39 deg | Wide | 85 % | 1.700 | - |



PRODUCT DATASHEET

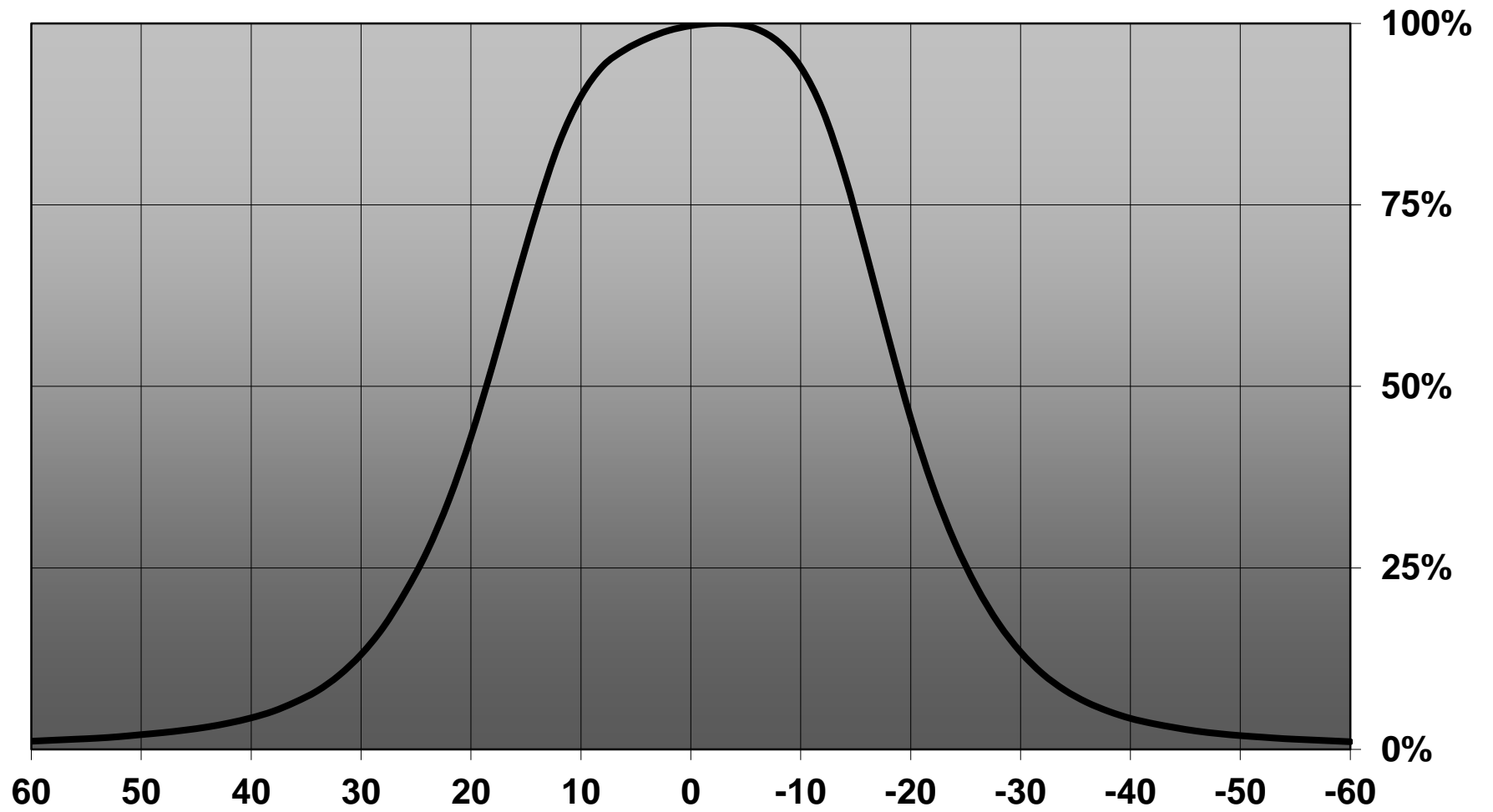
Emily series

last update 9/6/2016

OPTICAL PROPERTIES

| LED | Viewing Angle | Light Beam | Efficiency | cd/lm | Connector |
|---------------------|---------------|------------|------------|-------|-----------|
| Z5 | 40 deg | Wide | 86 % | - | - |
| Z8Y22P | 34 deg | Wide | 89 % | 1.700 | - |
| Double Dome (GM2BB) | 40 deg | Wide | 86 % | - | - |

Relative intensity of CA11934_EMILY-W_(SQ EC)



D

C

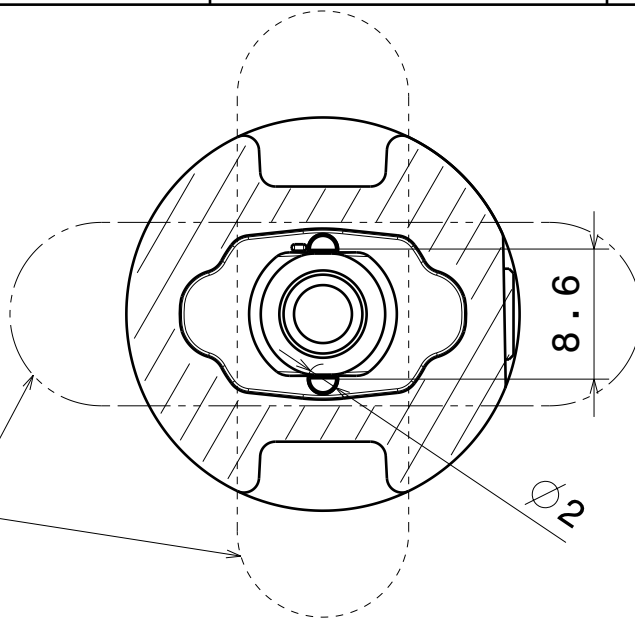
B

A

4

4

Bottom view



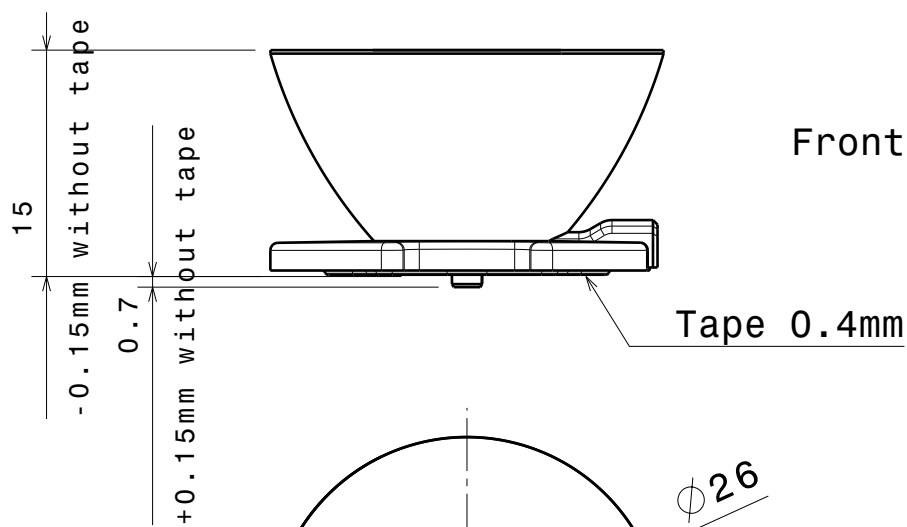
Beam direction Emily-0-90

Beam direction Emily-0

3

3

Front view

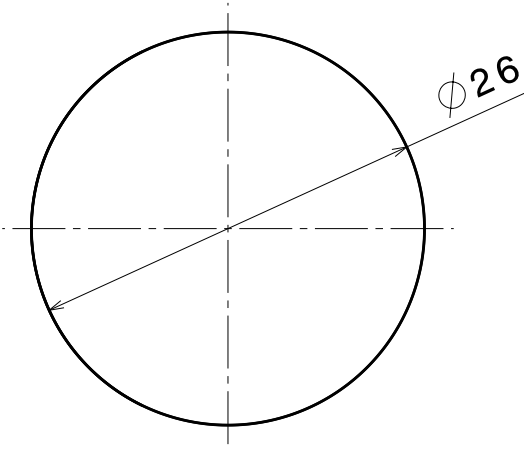


Tape 0.4mm

2

2

Top view

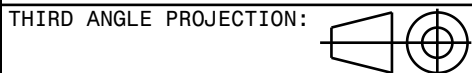


Materials:
 Lens PMMA
 Tape PU Foam with adhesive

Part no.s:
 CA11387_Emily-SS
 CA11388_Emily-M
 CA11389_Emily-0
 CA11390_Emily-0-90
 CA11391_Emily-M2

Tolerances if not otherwise shown
 According to DIN ISO 2768-1
 Linear measures:
 up to 30mm class M, otherwise class C
 According to DIN ISO 2768-2
 Form and position: class L

LEDiL LediL Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland



DRAWING TITLE
Datasheet Emily series lens

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| | |
|------|-------------|
| SIZE | PART NUMBER |
| A4 | |

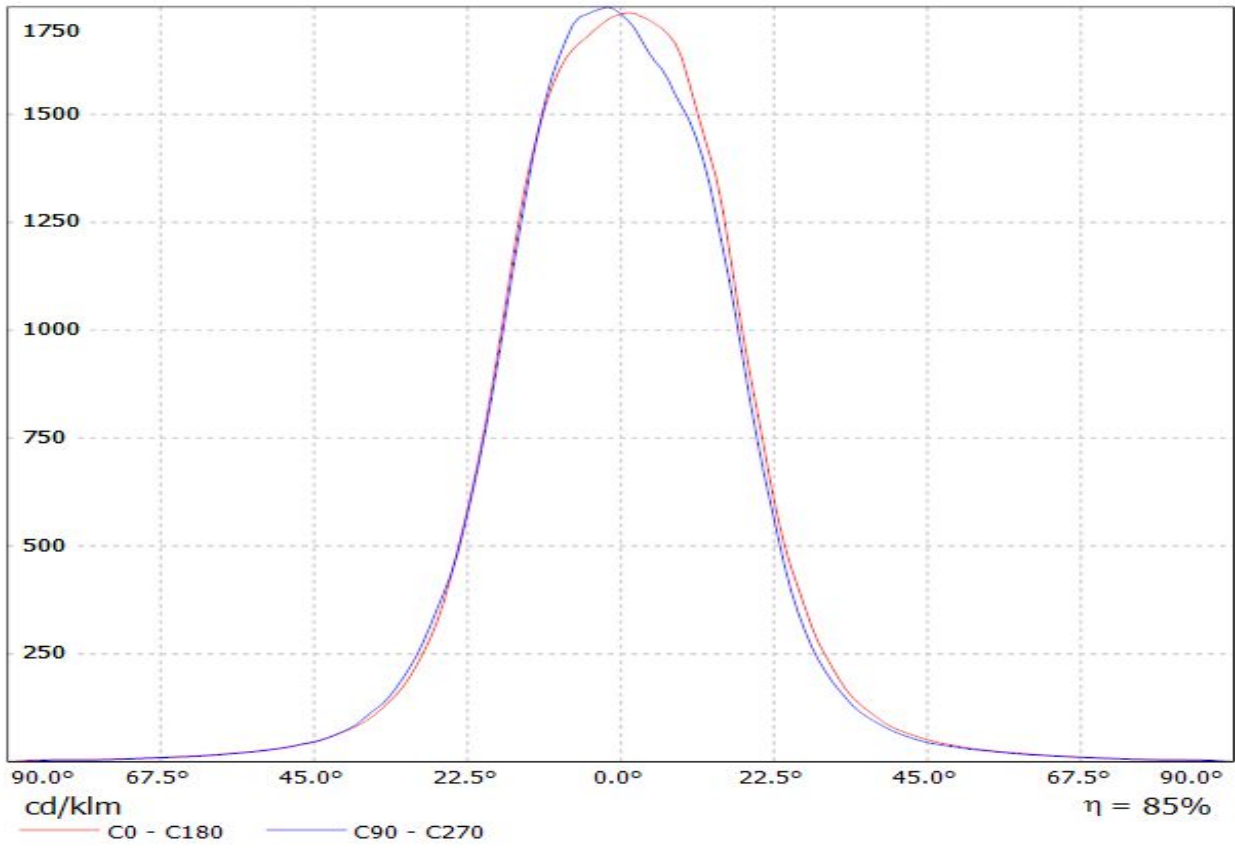
| | | | | | |
|-------|-----|--------|--|-------|-----|
| SCALE | 2:1 | WEIGHT | | SHEET | 1/1 |
|-------|-----|--------|--|-------|-----|

D

A

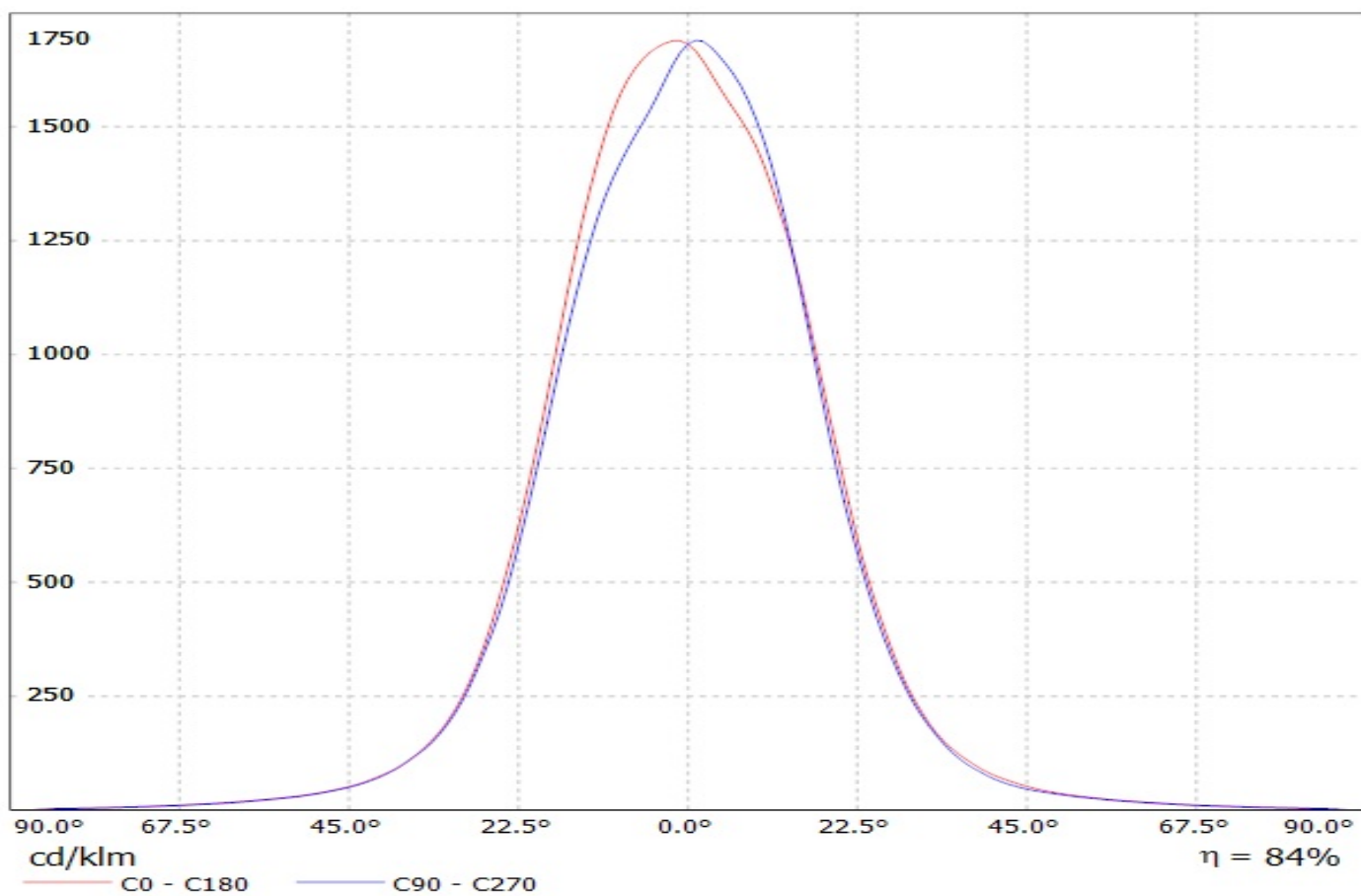
1

Luminaire: LEDiL Oy CA11934_EMILY-W_(XP-G2) Eff.84%
Lamps: 1 x Cree XP-G2 (98lm@250mA)

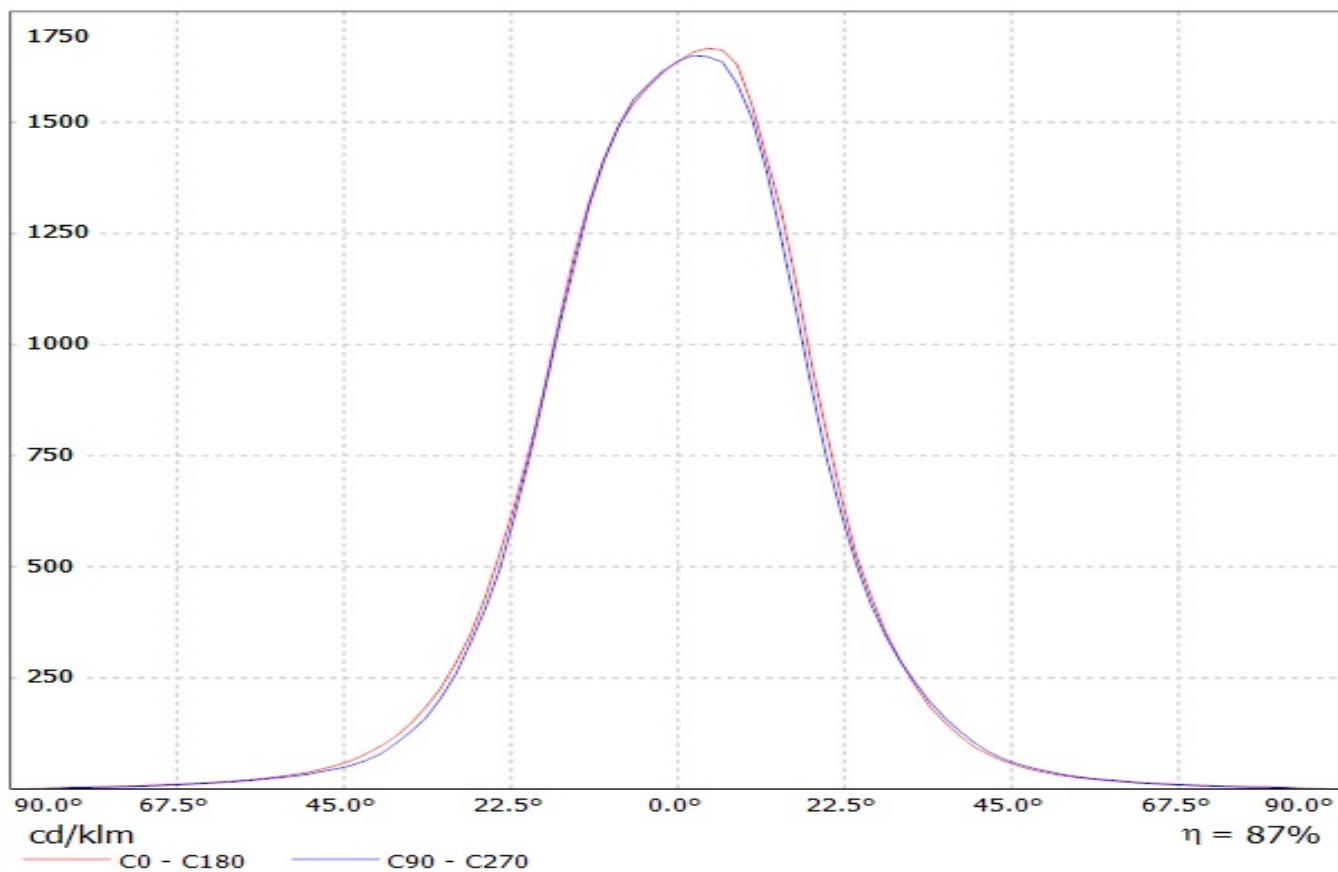


Luminaire: LEDil Oy CA11934_EMILY-W_(XP-E2)

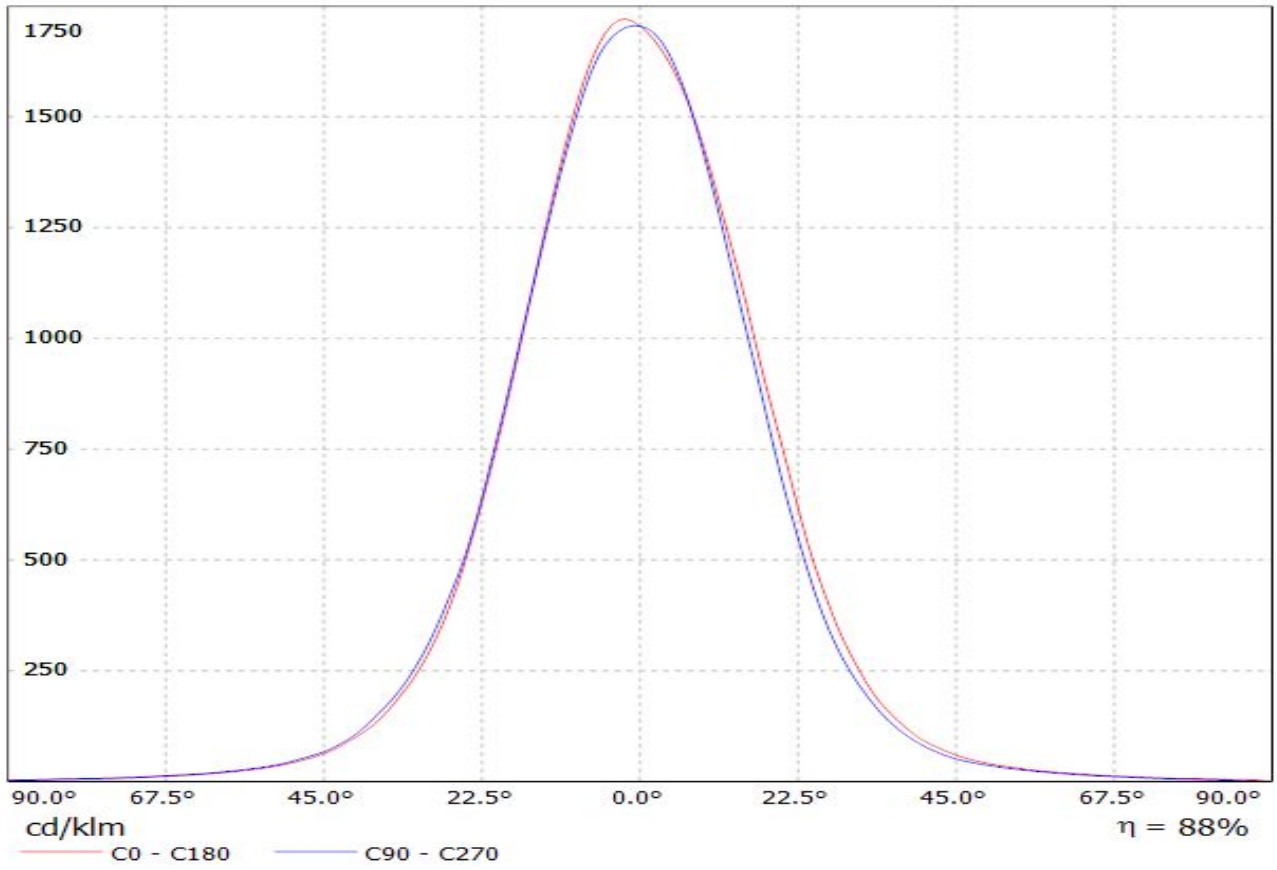
Lamps: 1 x Cree XP-E2 (XPEBWT-L1-7B4-Q4-0-01) 78.62lm @ 250mA P=0.8W I=250mA



Luminaire: LEDil Oy CA11934_EMILY-W_(XM-L2) Efficiency=86%
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3200K P=0.7W I=250mA

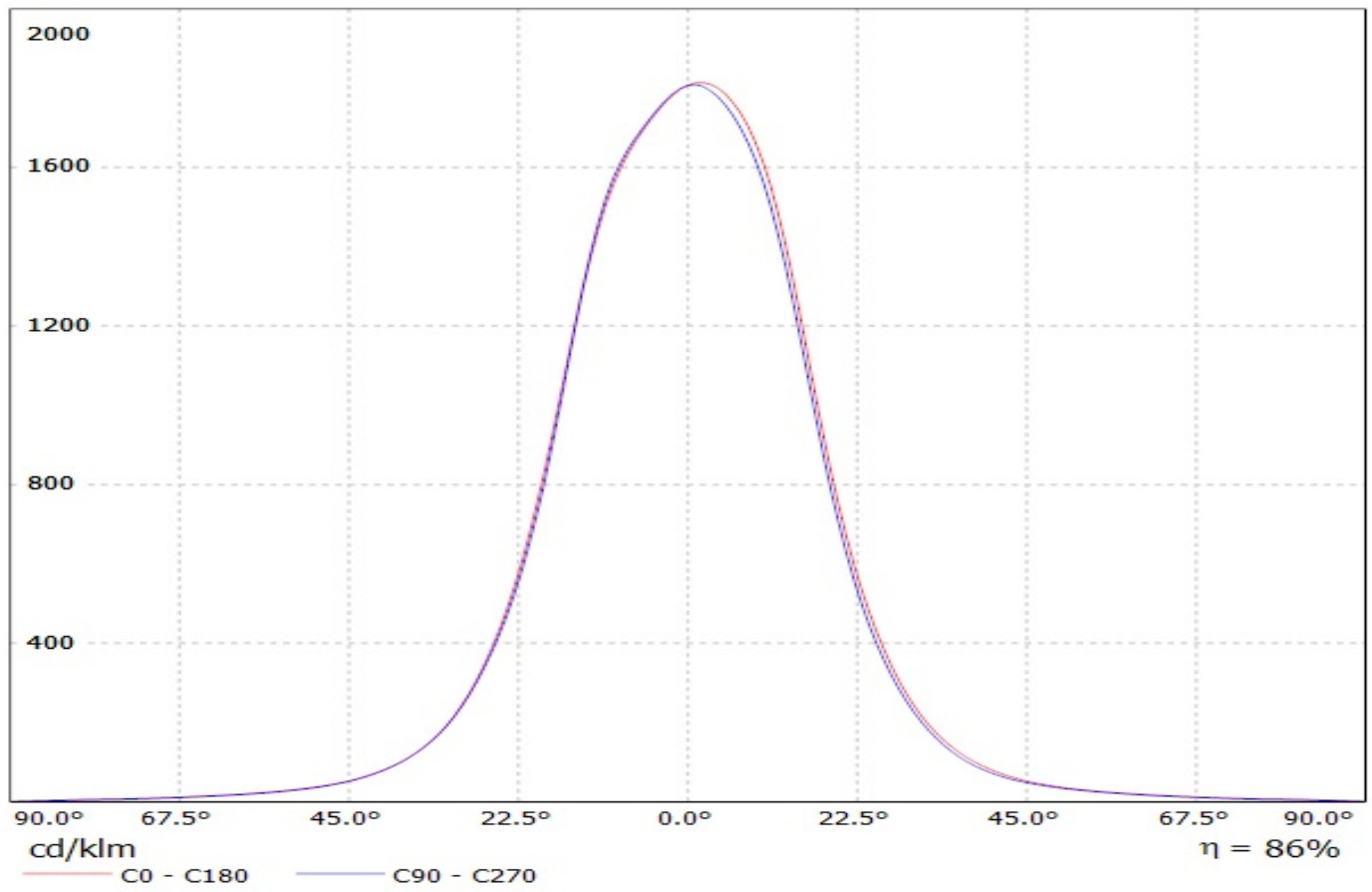


Luminaire: Ledil Oy CA11934_EMILY-W_(XP-L) Efficiency= 87%
Lamps: 1 x Cree XP-L 125lm @ 250mA CCT= P=0.72W I=250mA

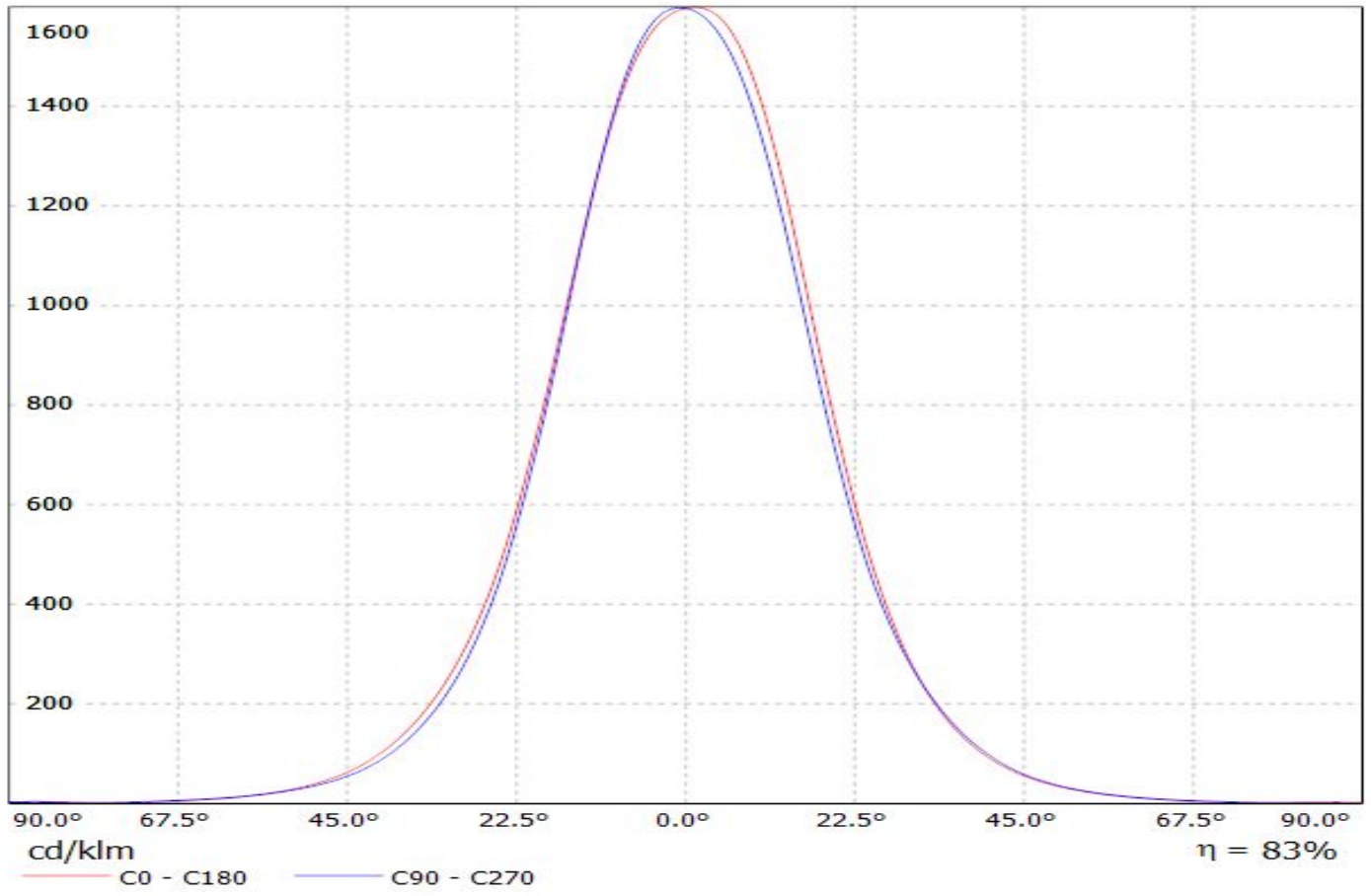


Luminaire: LEDiL Oy CA11934_EMILY-W_(XP-L_HI)

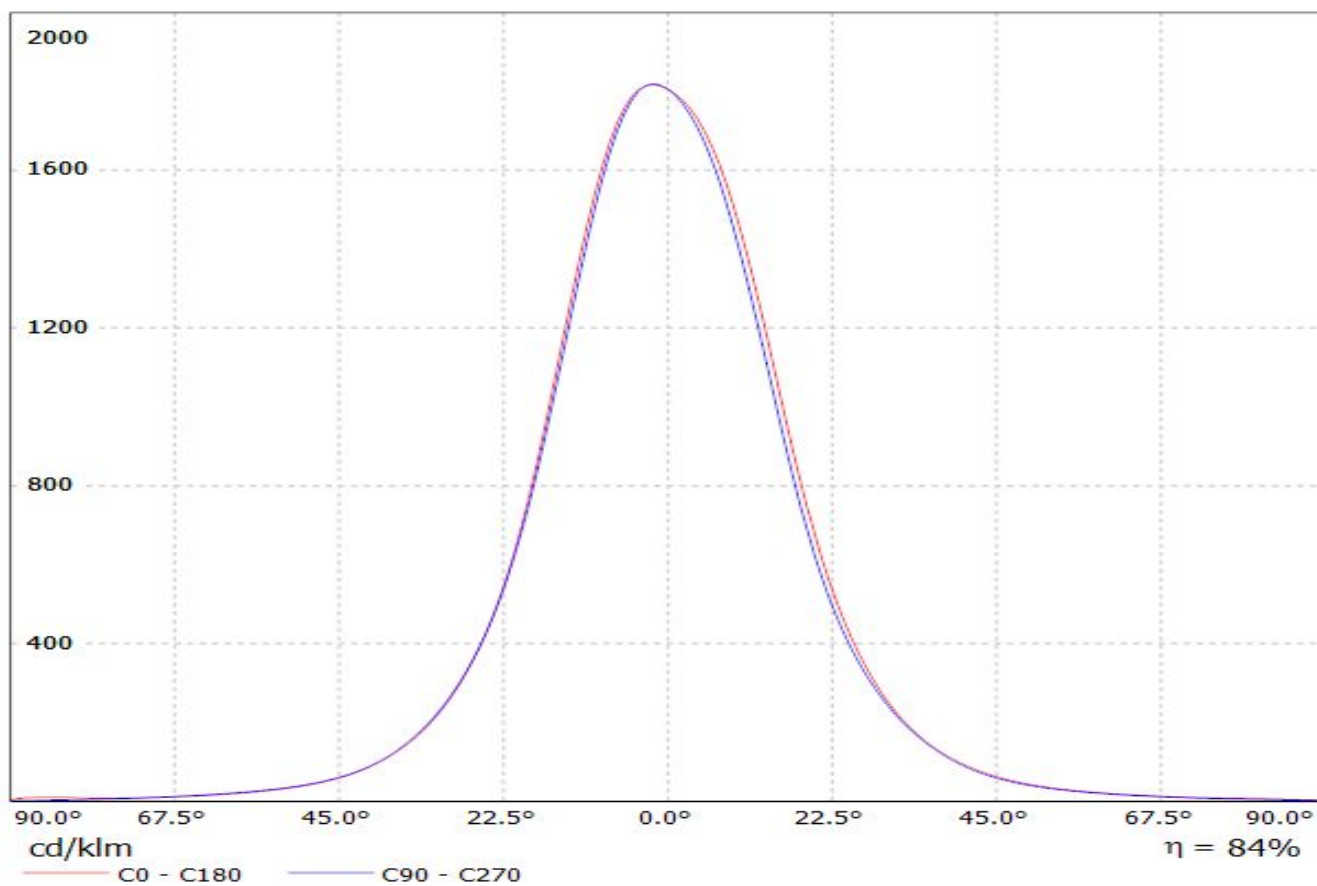
Lamps: 1 x Cree_XP-L_HI_114.406lm@250mA_P=0.745352W_I=0.2499A



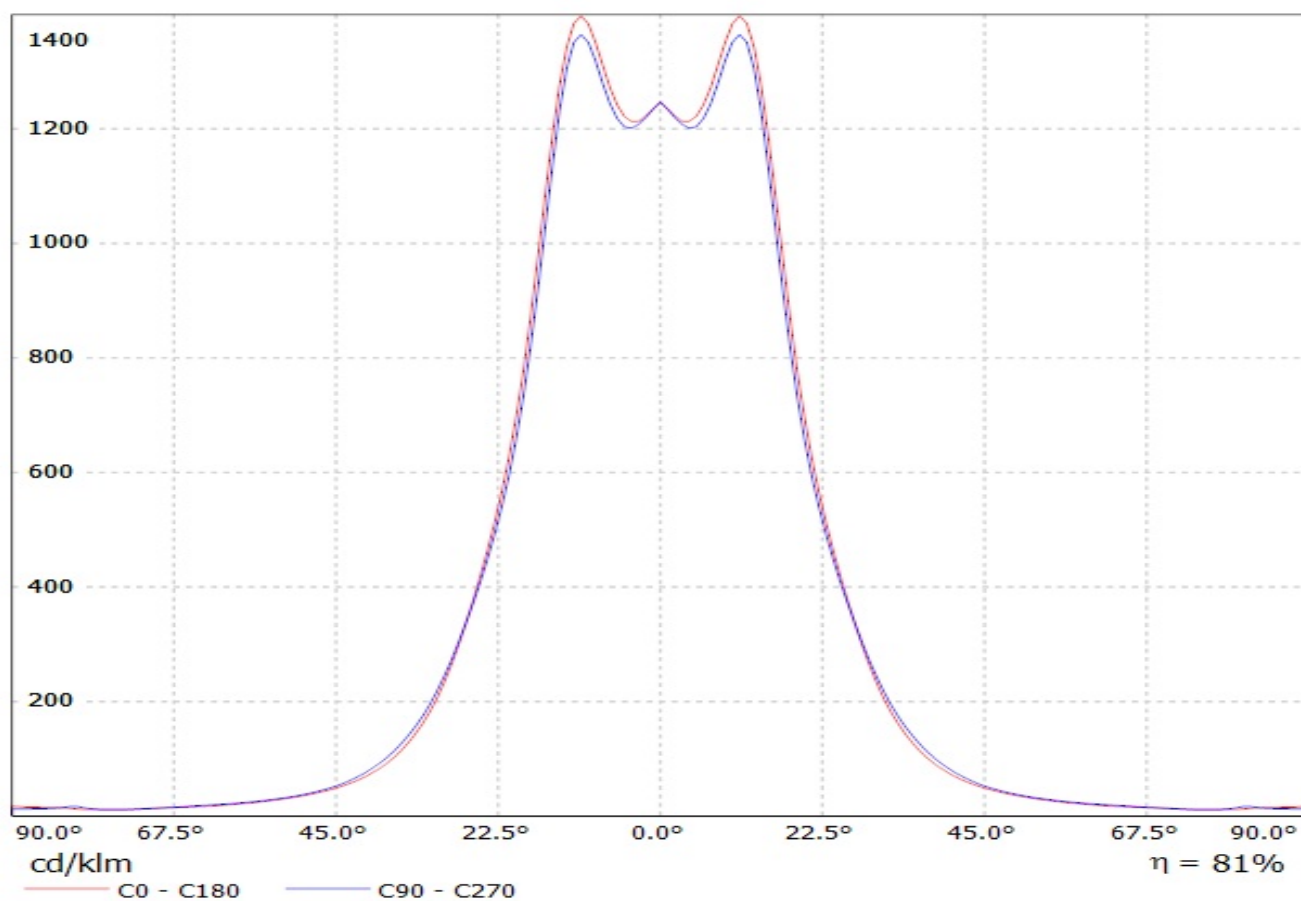
Luminaire: LEDiL Oy
Lamps: 1 x CA11934_EMILY-W_(XHP35)



Luminaire: LEDiL Oy CA11934_EMILY-W_(NS9x383) Eff.84,3%
Lamps: 1 x Nichia NS9x383 (105lm@250mA)

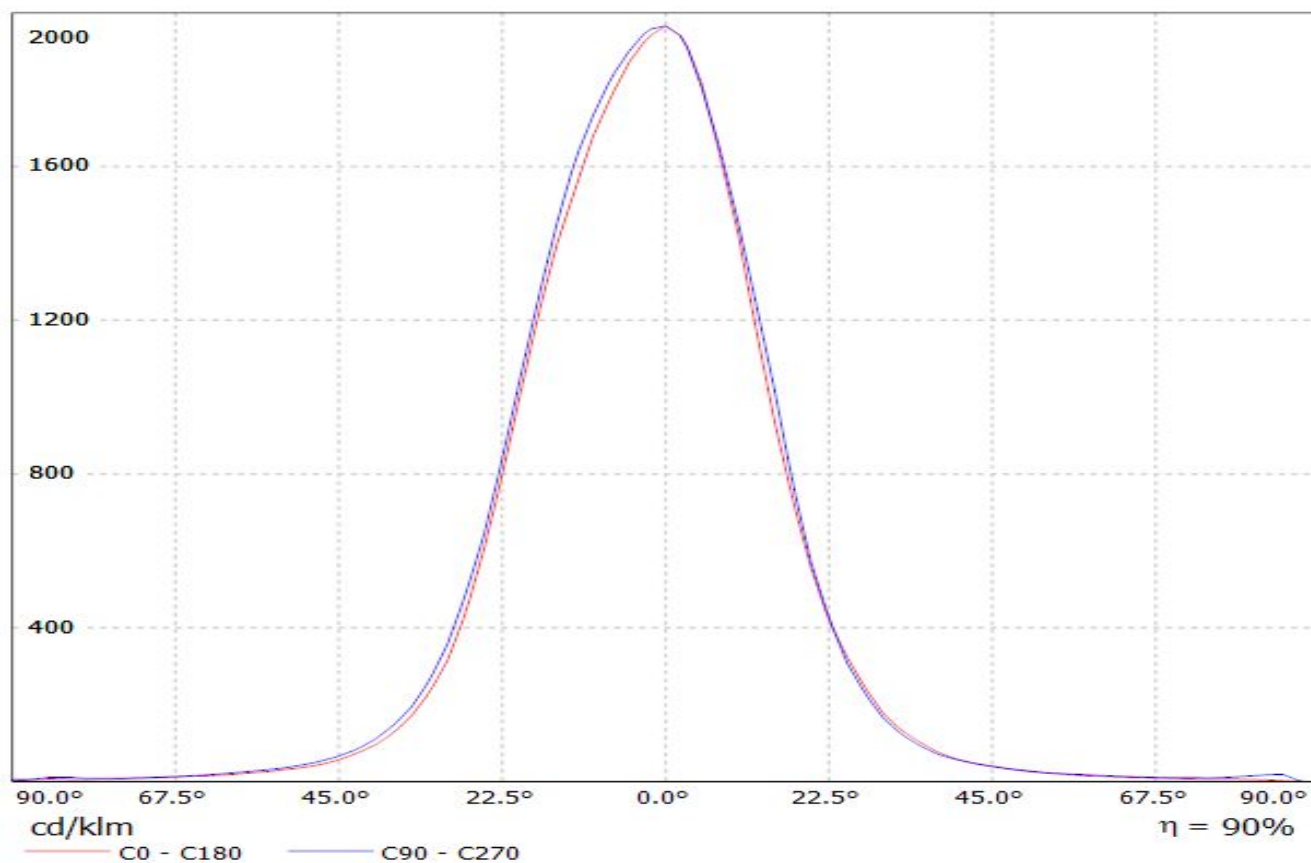


Luminaire: LEDIL OY CA11934_EMILY-W (Osram Oslon SSL 80°) Efficiency=86%
Lamps: 1 x Osram Oslon SSL 80° (85lm@250mA)

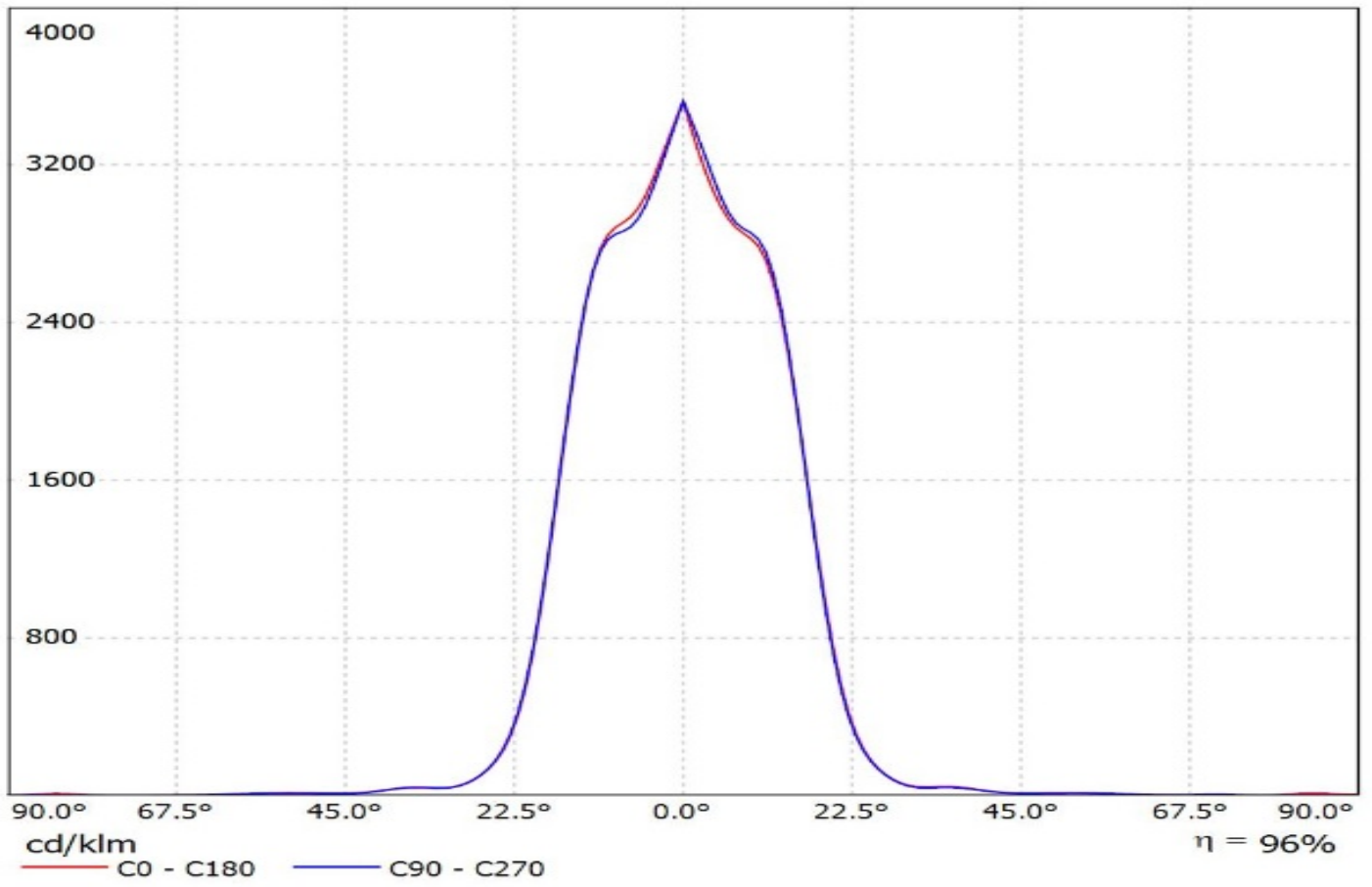


Luminaire: Ledil Oy CA11389-EMILY-O (Osram Square EC 62lm @ 250mA) Efficiency=87%

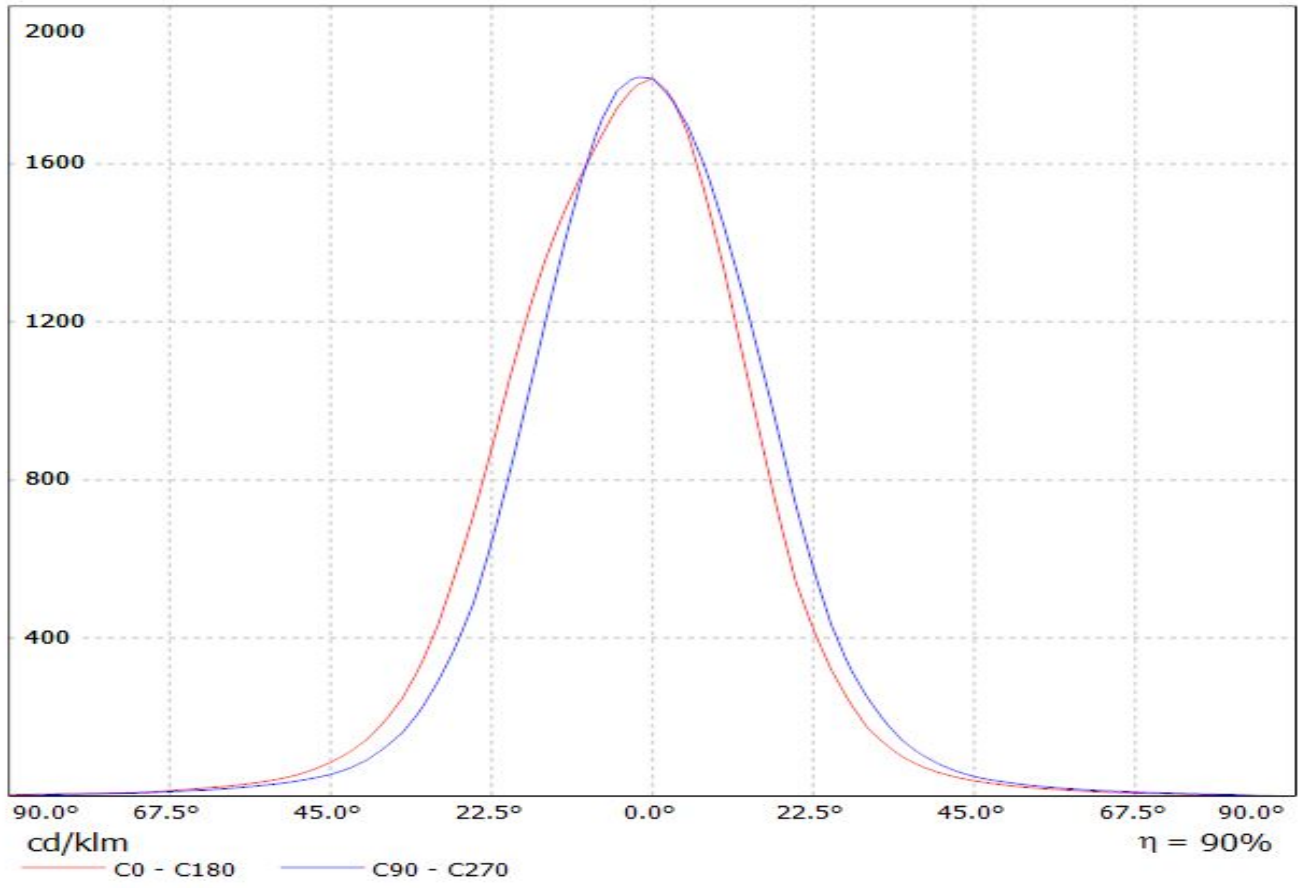
Lamps: 1 x Osram Square EC 62lm @ 250mA



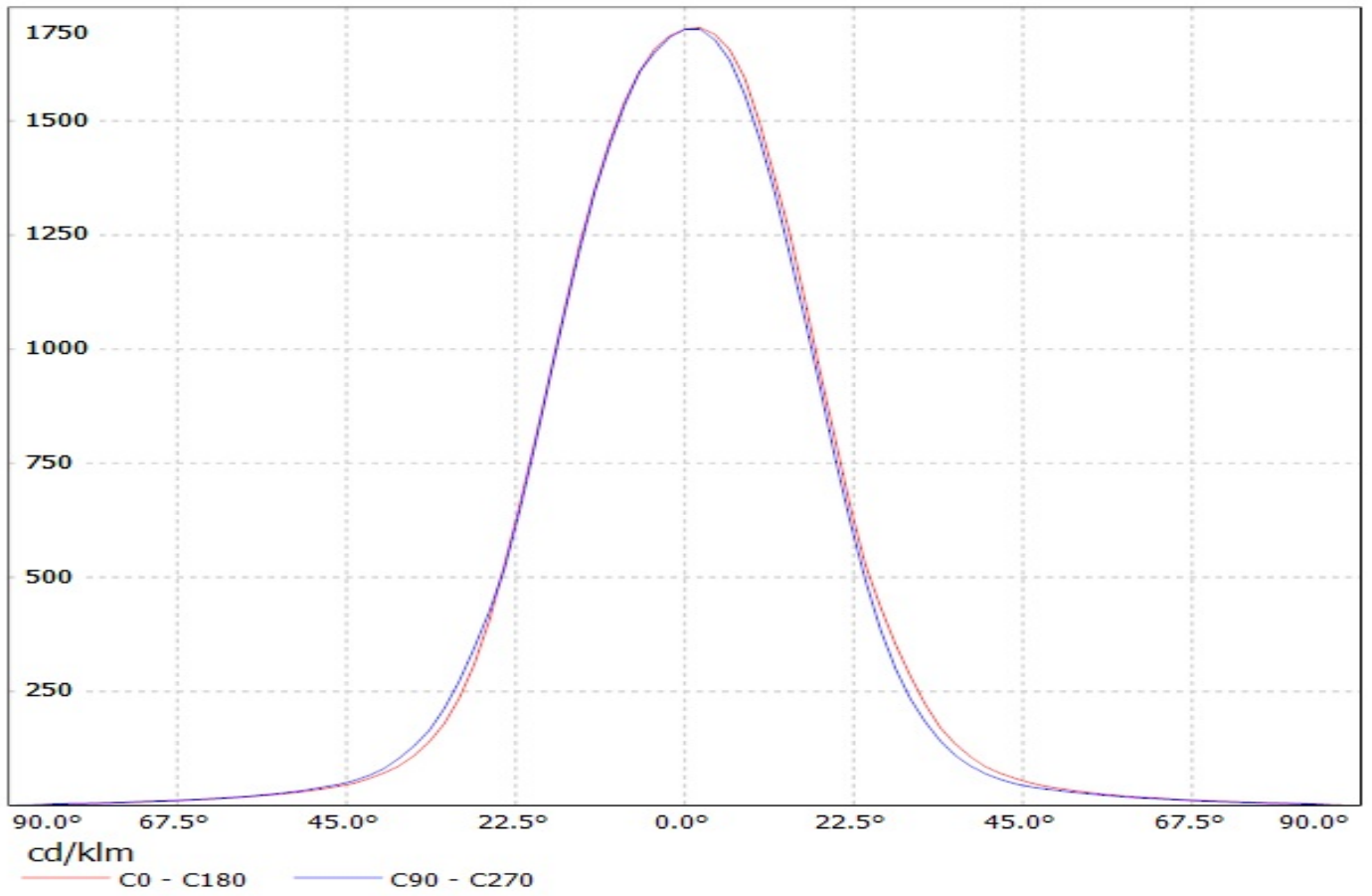
Luminaire: Ledil Oy CA11934_EMILY-W_(Oslon_Black_Flat)_SIMULATED
Lamps: 1 x Osram Oslon Black Flat (LUV HWQP)



Luminaire: Ledil Oy CA11934_EMILY-W_(LH351B) Efficiency=88%
Lamps: 1 x Samsung LH351B 106lm @ 250mA CCT= P=0.72W I=250mA

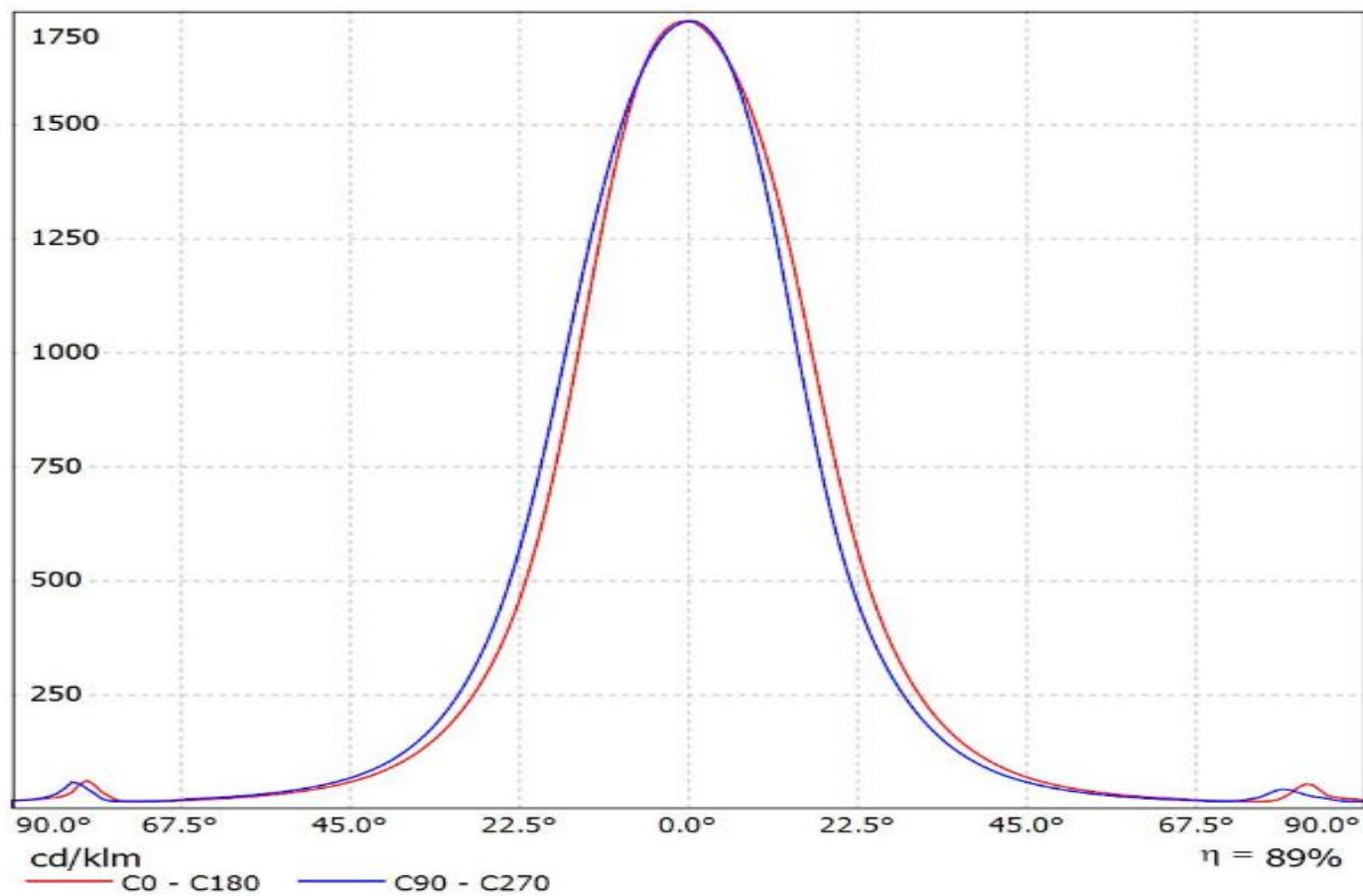


Luminaire: Ledil Oy CA11934_EMILY-W_(LH351Z) Efficiency=85%
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA

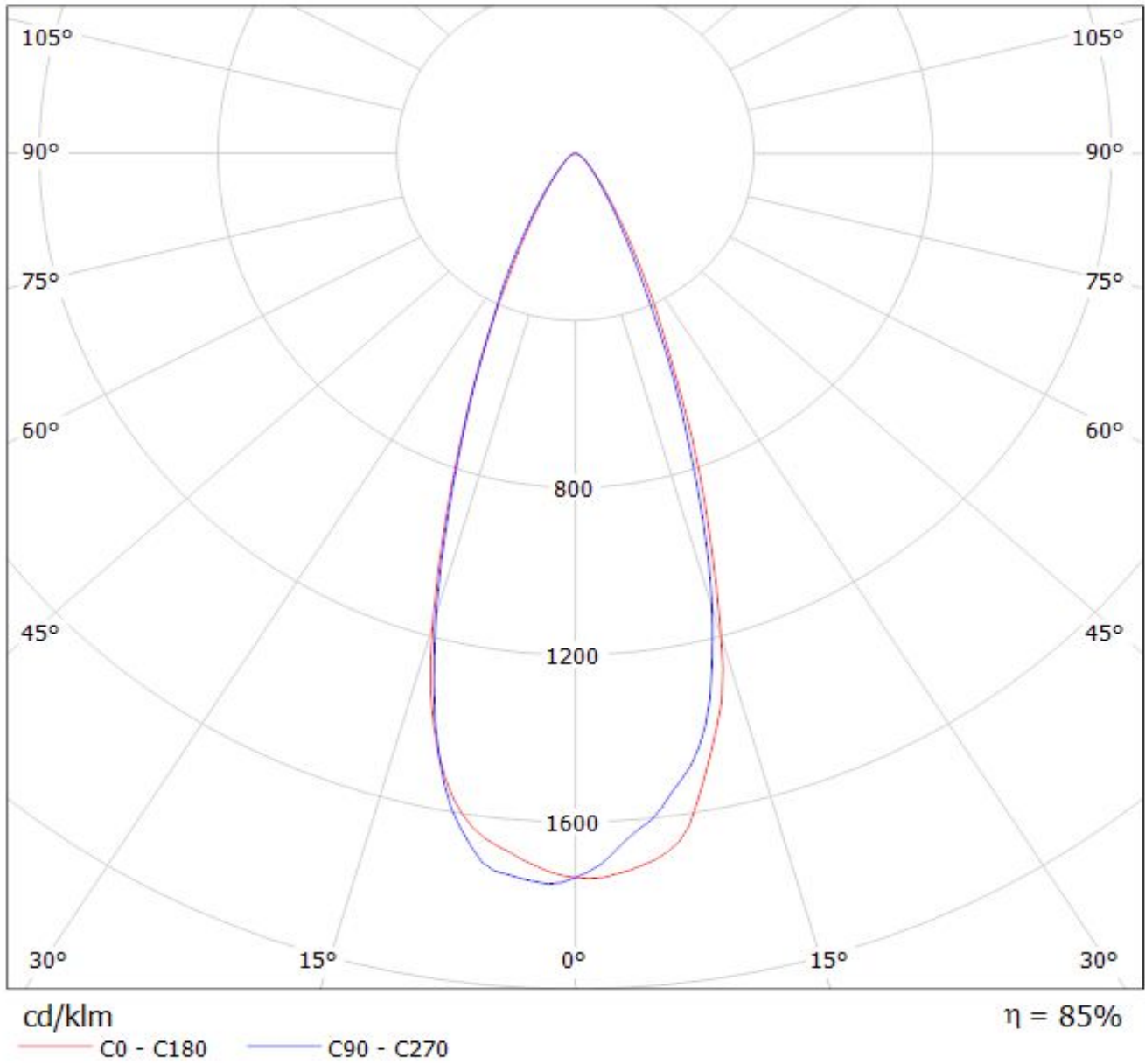


Luminaire: Ledil CA11934_EMILY-W_(Z8Y22P)

Lamps: 1 x Seoul_Z8Y22P_(W6E2G)_129.545lm@250mA_P=0.711175W_I=0.25A

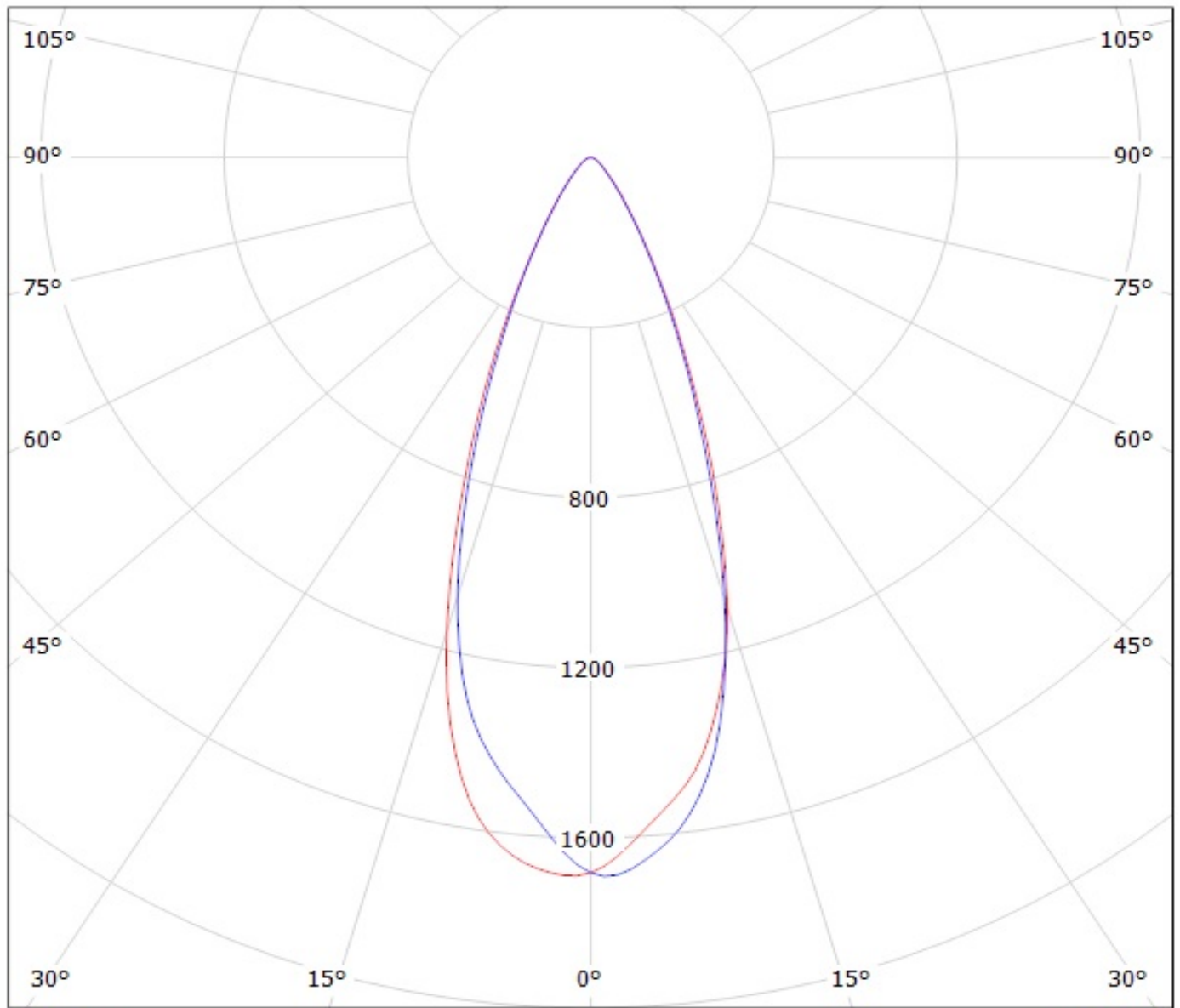


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cd/klm

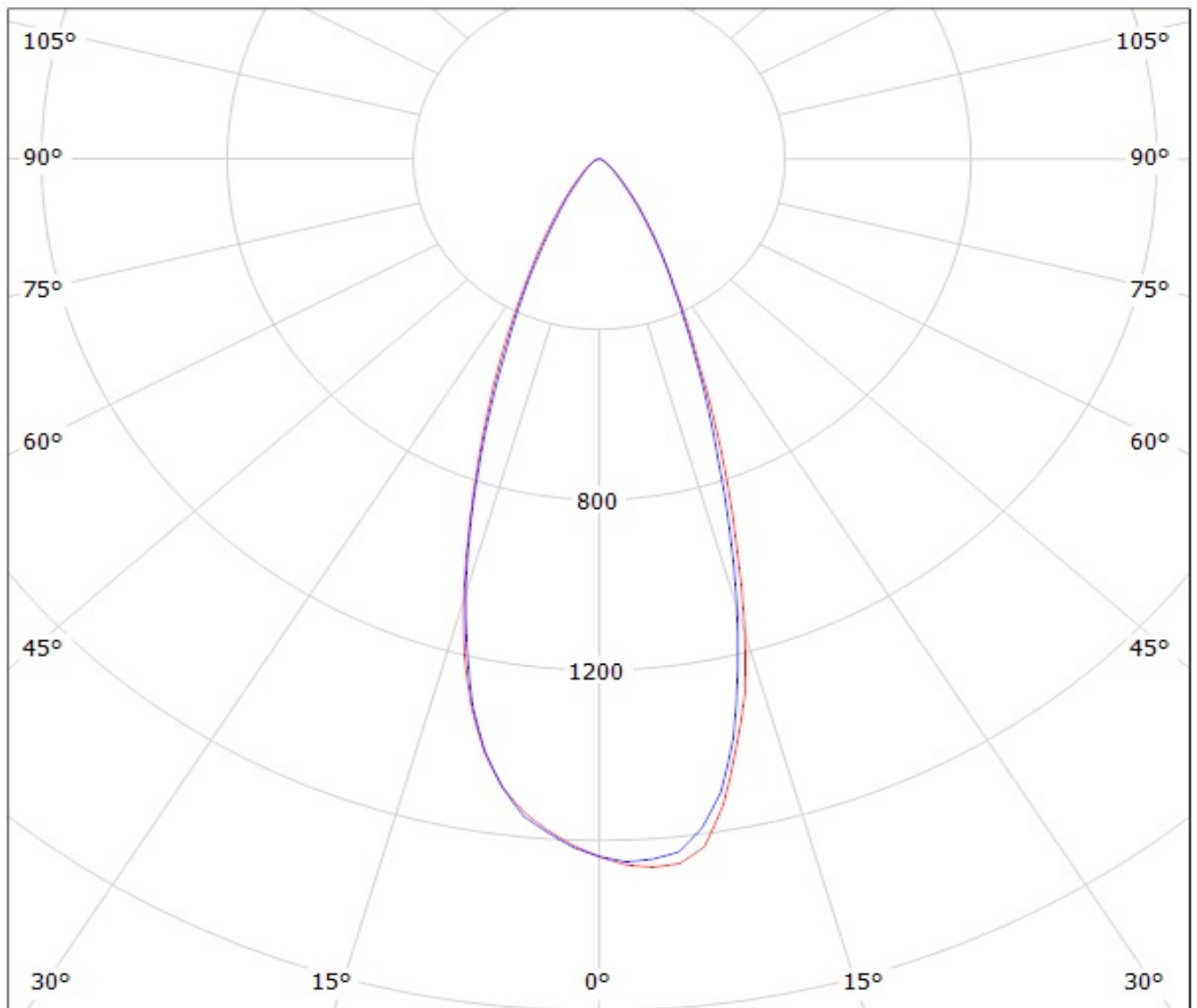
— C0 - C180

— C90 - C270

$\eta = 84\%$

Luminaire: LEDil Oy CA11934_EMILY-W_(XM-L2) Efficiency=86%

Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3200K P=0.7W I=250mA



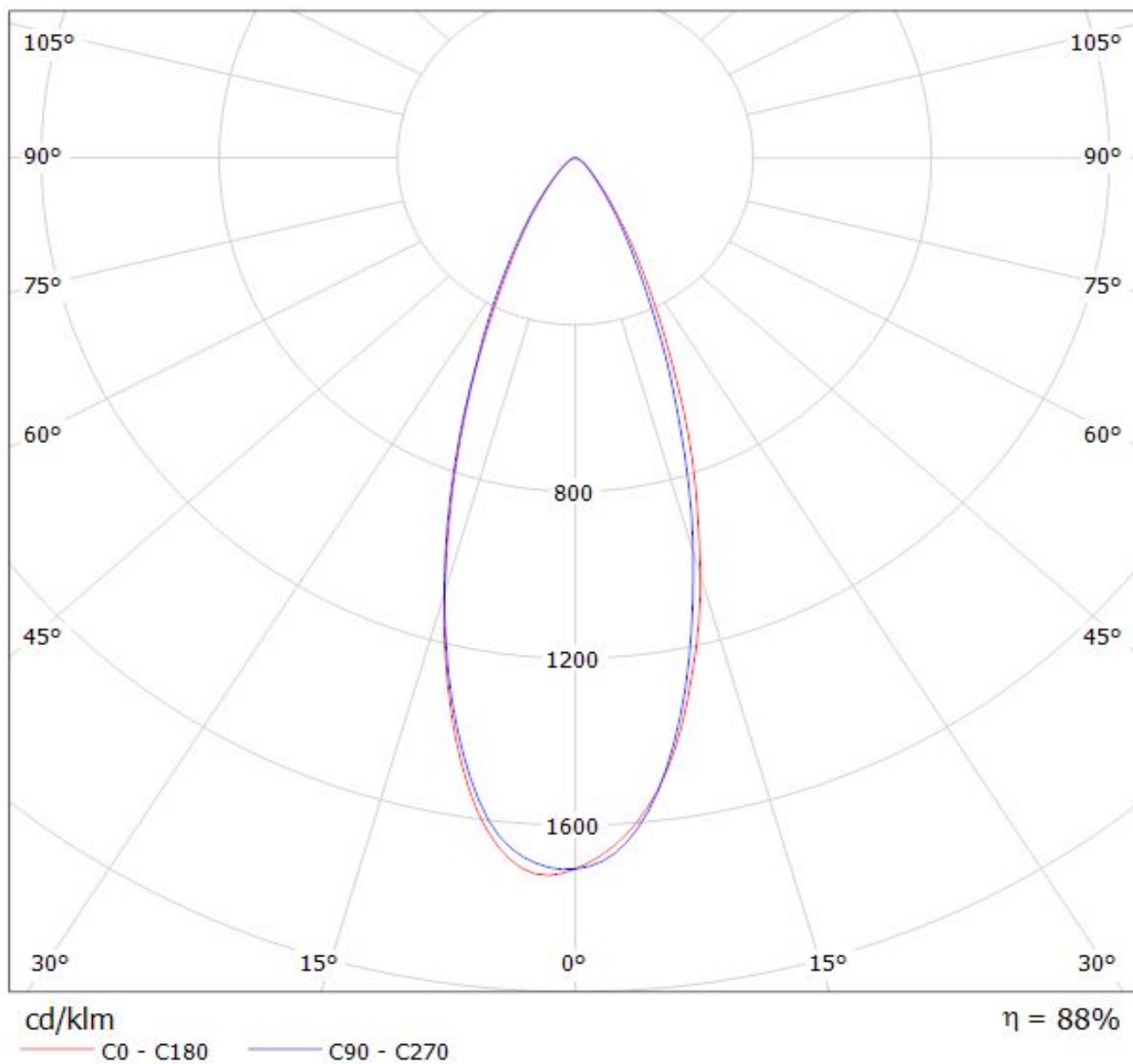
cd/klm

— C0 - C180

— C90 - C270

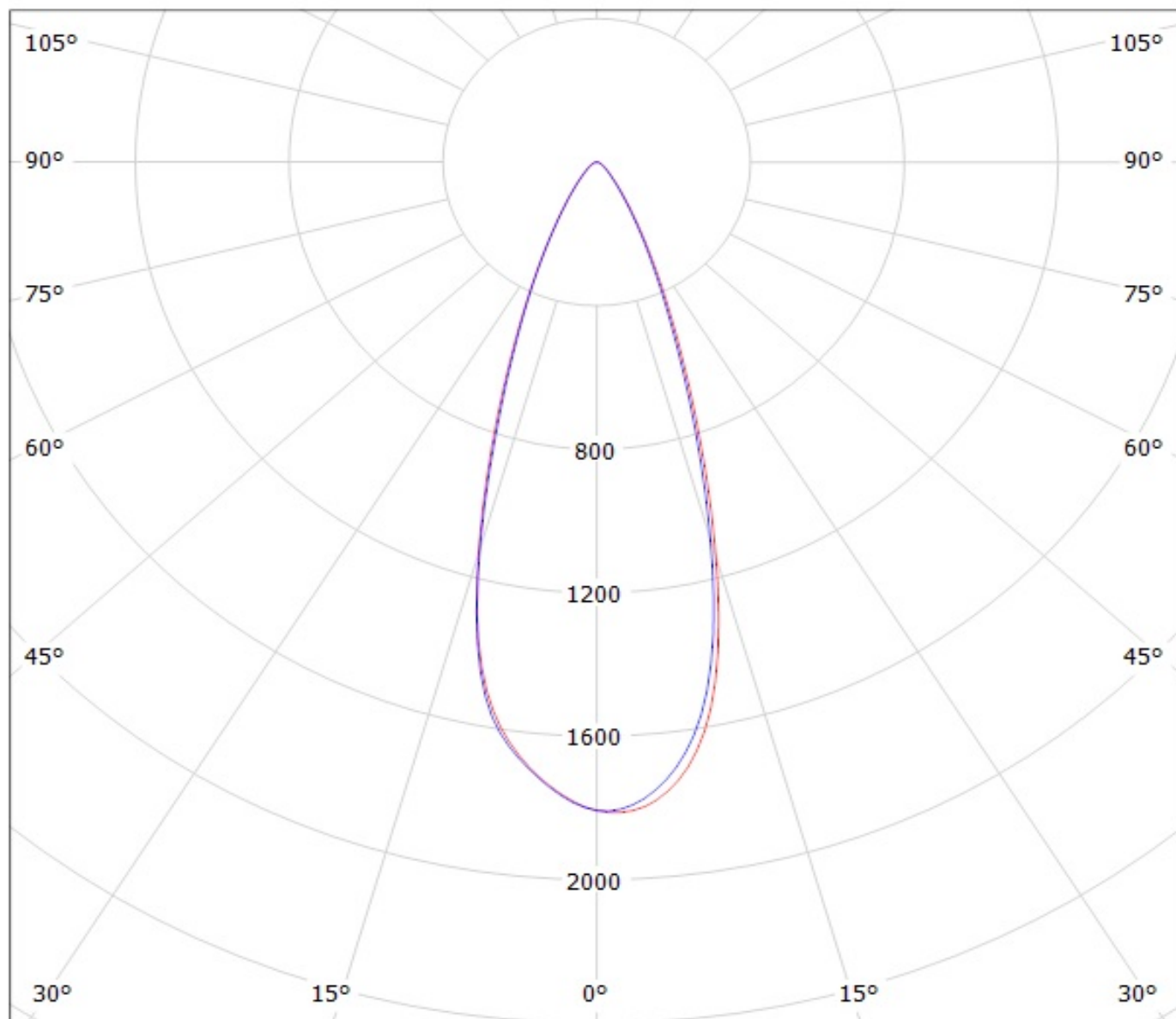
$\eta = 87\%$

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Lamps: 1 x Cree XP-L 125lm @ 250mA CCT= P=0.72W I=250mA



Luminaire: LEDiL Oy CA11934_EMILY-W_(XP-L_HI)

Lamps: 1 x Cree_XP-L_HI_114.406lm@250mA_P=0.745352W_I=0.2499A



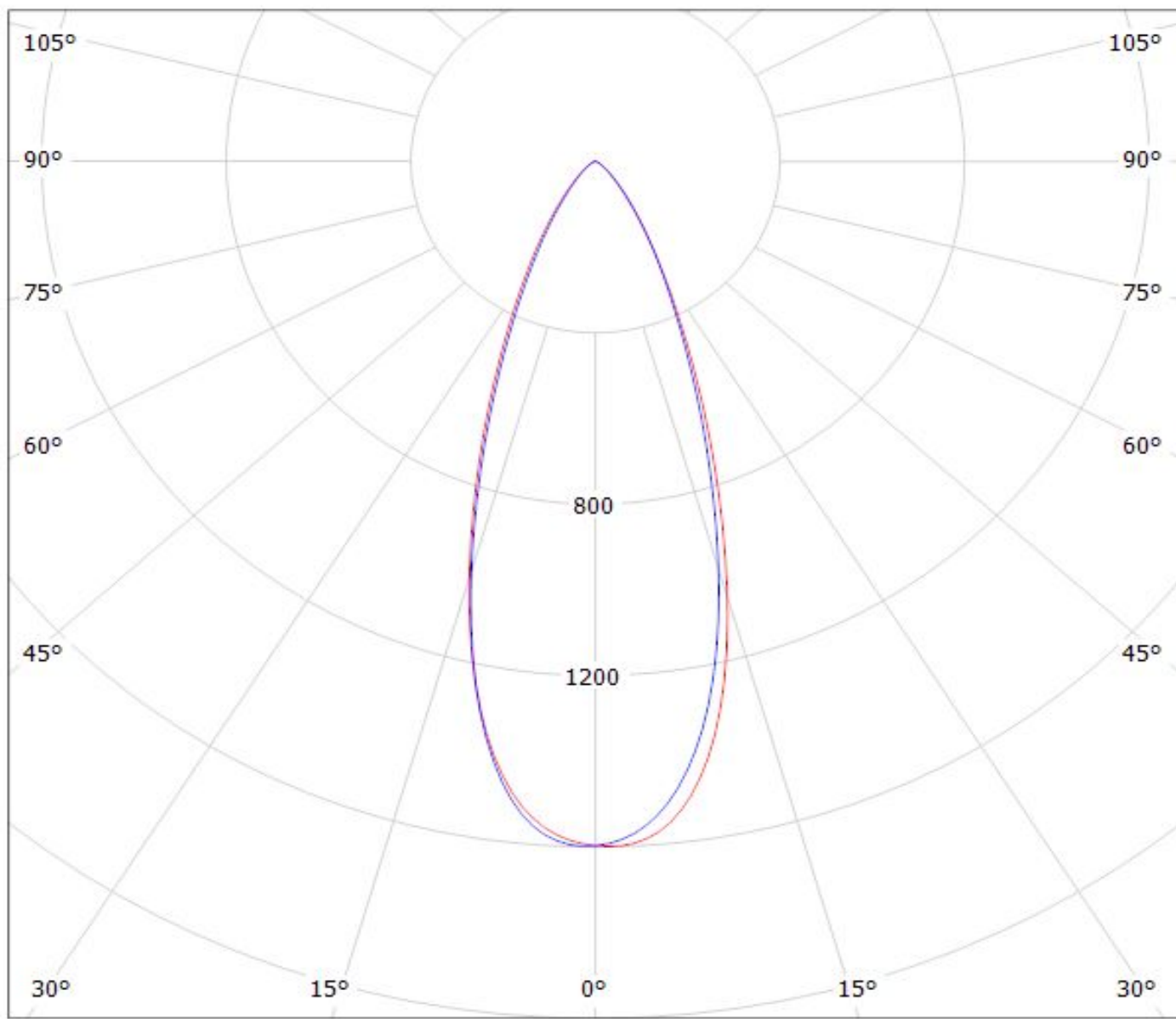
cd/klm

— C0 - C180

— C90 - C270

$\eta = 86\%$

Luminaire: LEDiL Oy
Lamps: 1 x CA11934_EMILY-W_(XHP35)

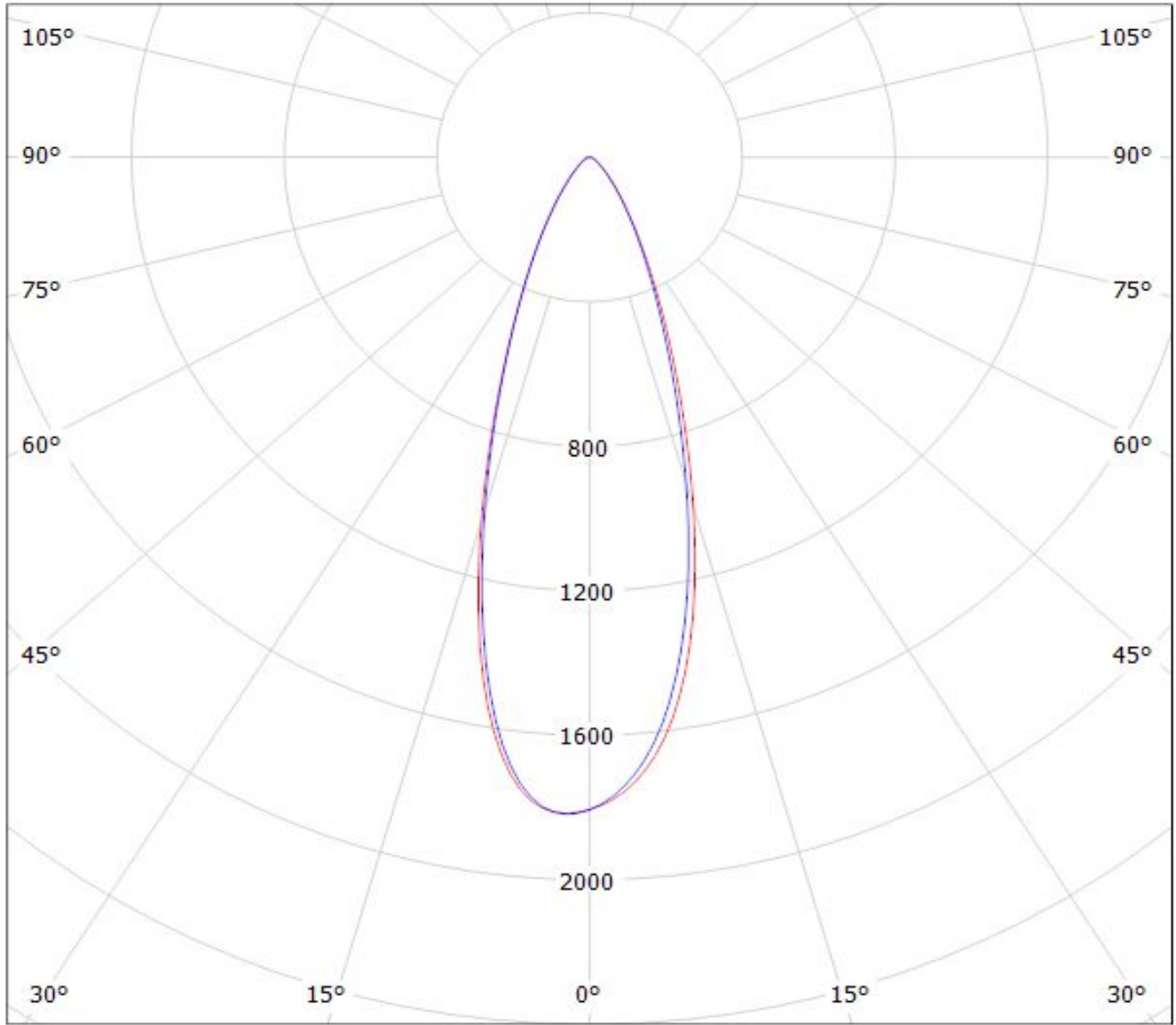


cd/klm

— C0 - C180 — C90 - C270

$\eta = 83\%$

Luminaire: LEDiL Oy CA11934_EMILY-W_(NS9x383) Eff.84,3%
Lamps: 1 x Nichia NS9x383 (105lm@250mA)

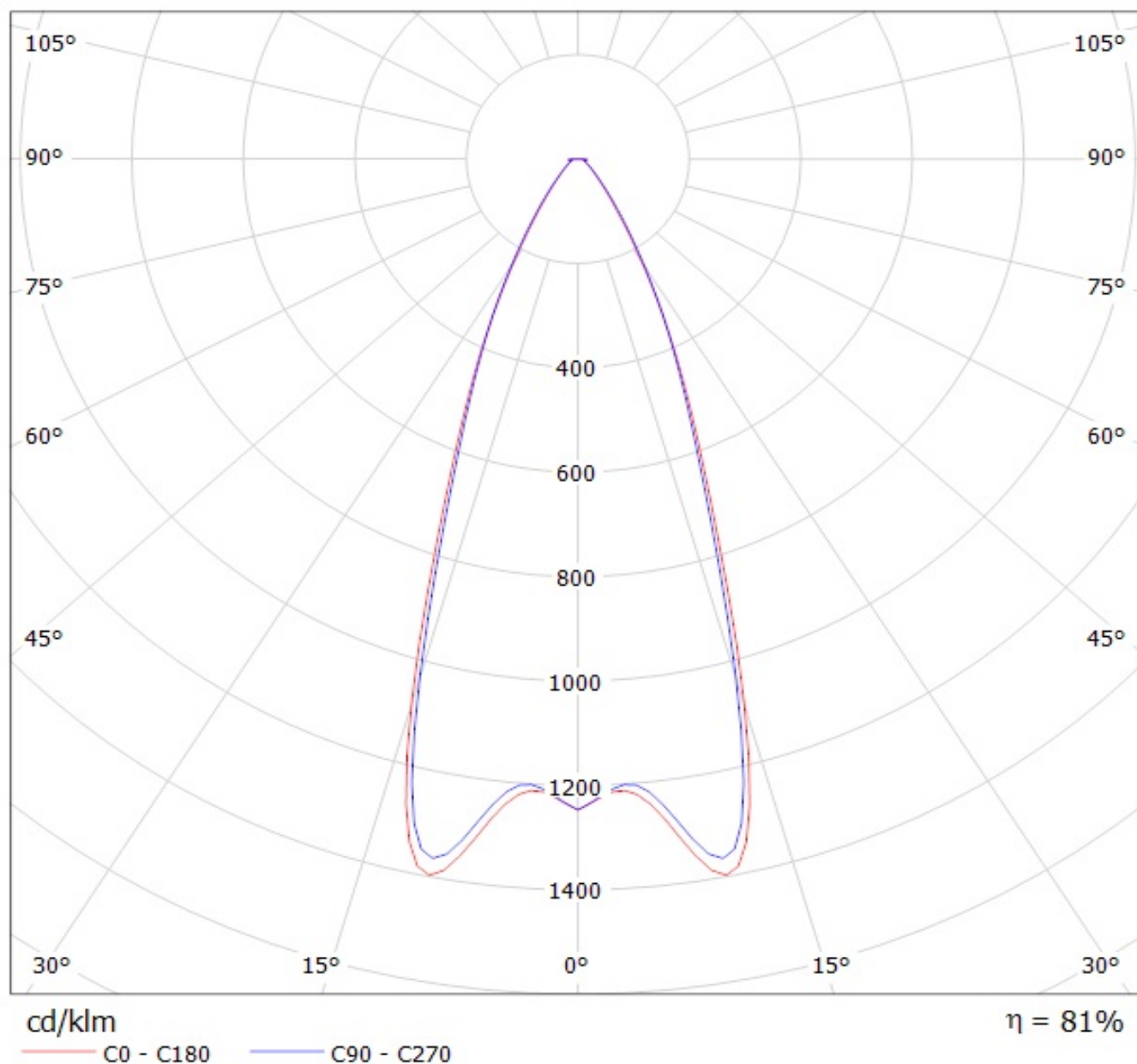


cd/klm

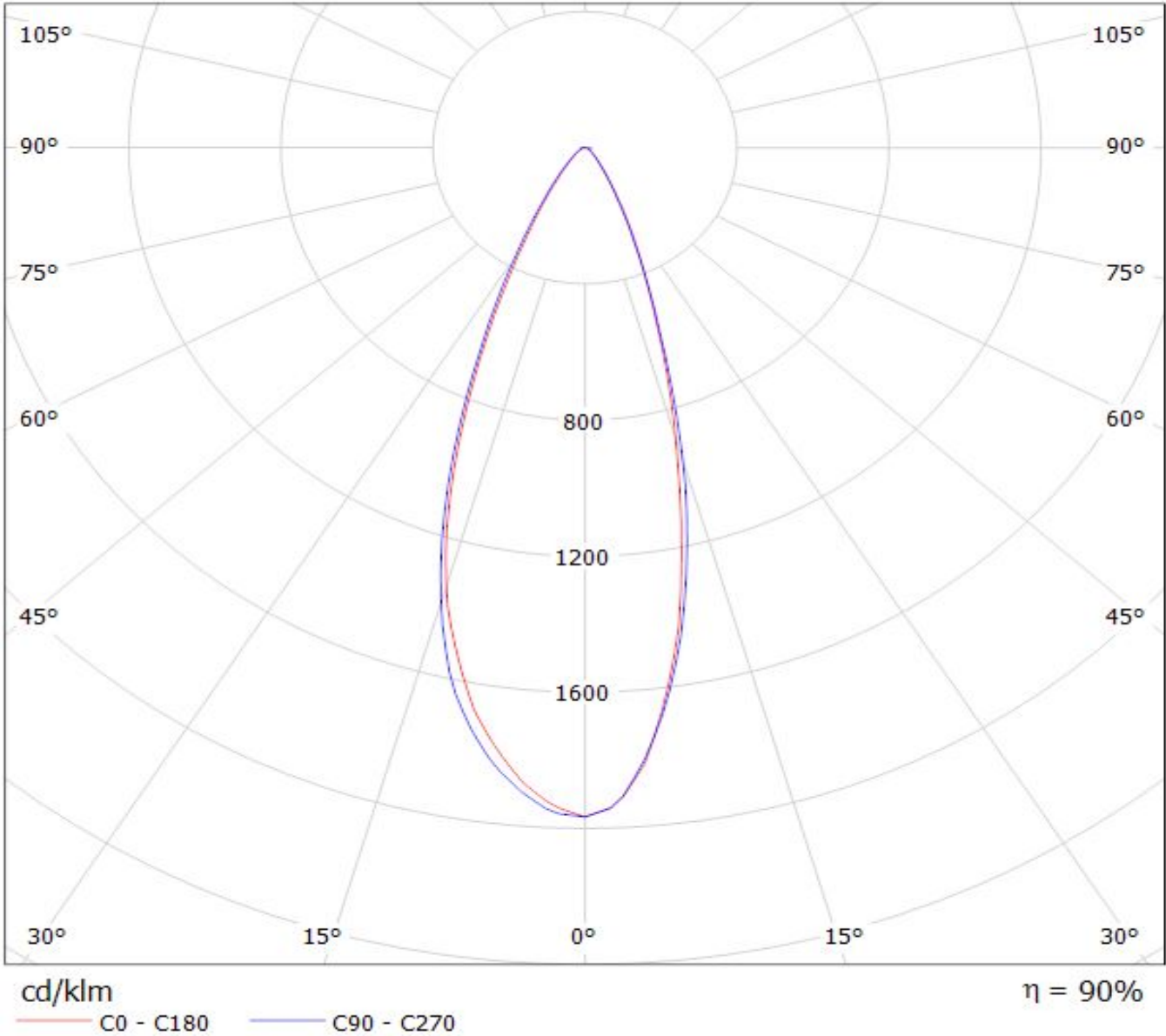
$\eta = 84\%$

— C0 - C180 — C90 - C270

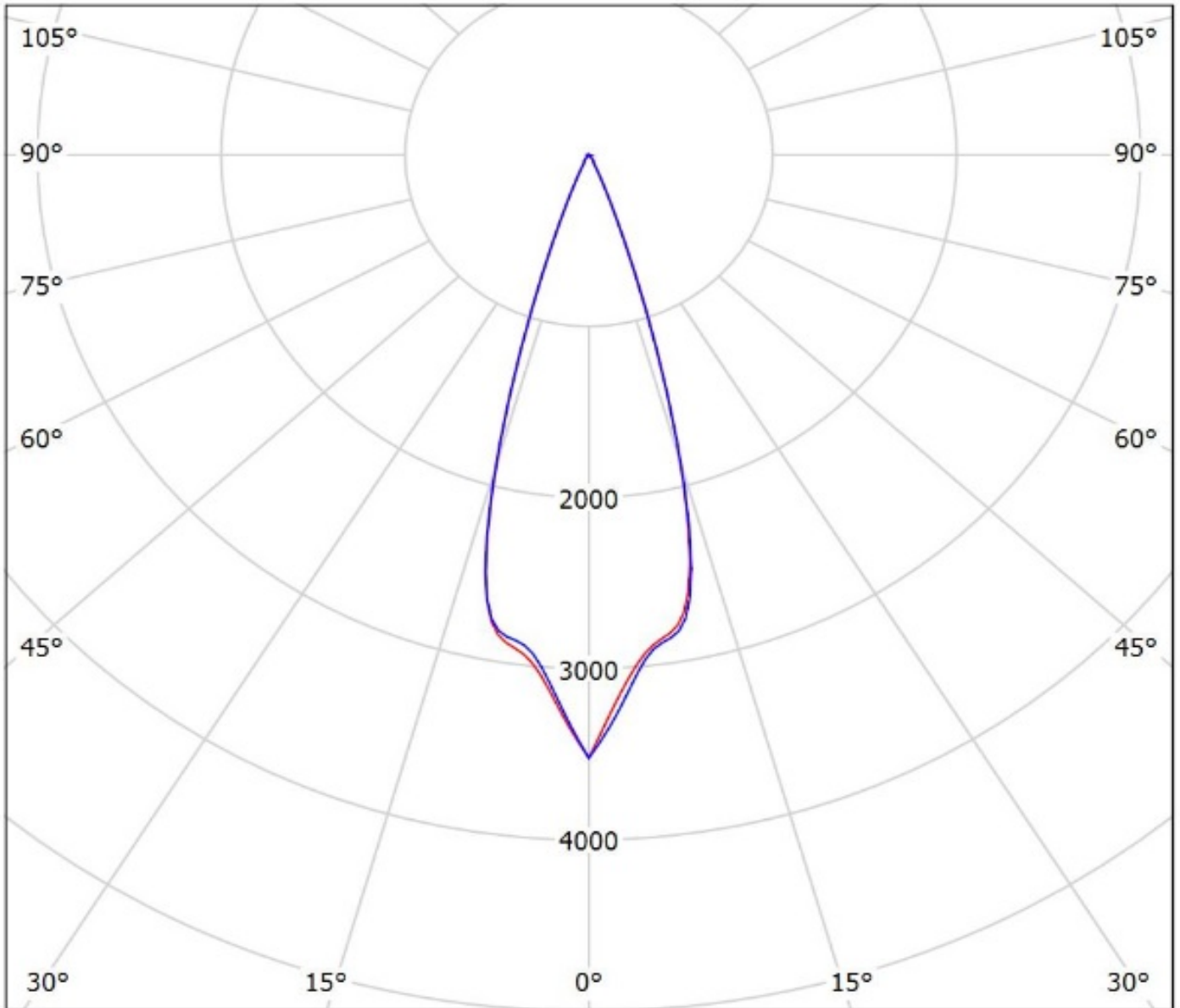
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Lamps: 1 x Osram Square EC 62lm @ 250mA



Luminaire: Ledil Oy CA11934_EMILY-W_(Oslon_Black_Flat)_SIMULATED
Lamps: 1 x Osram Oslon Black Flat (LUV HWQP)

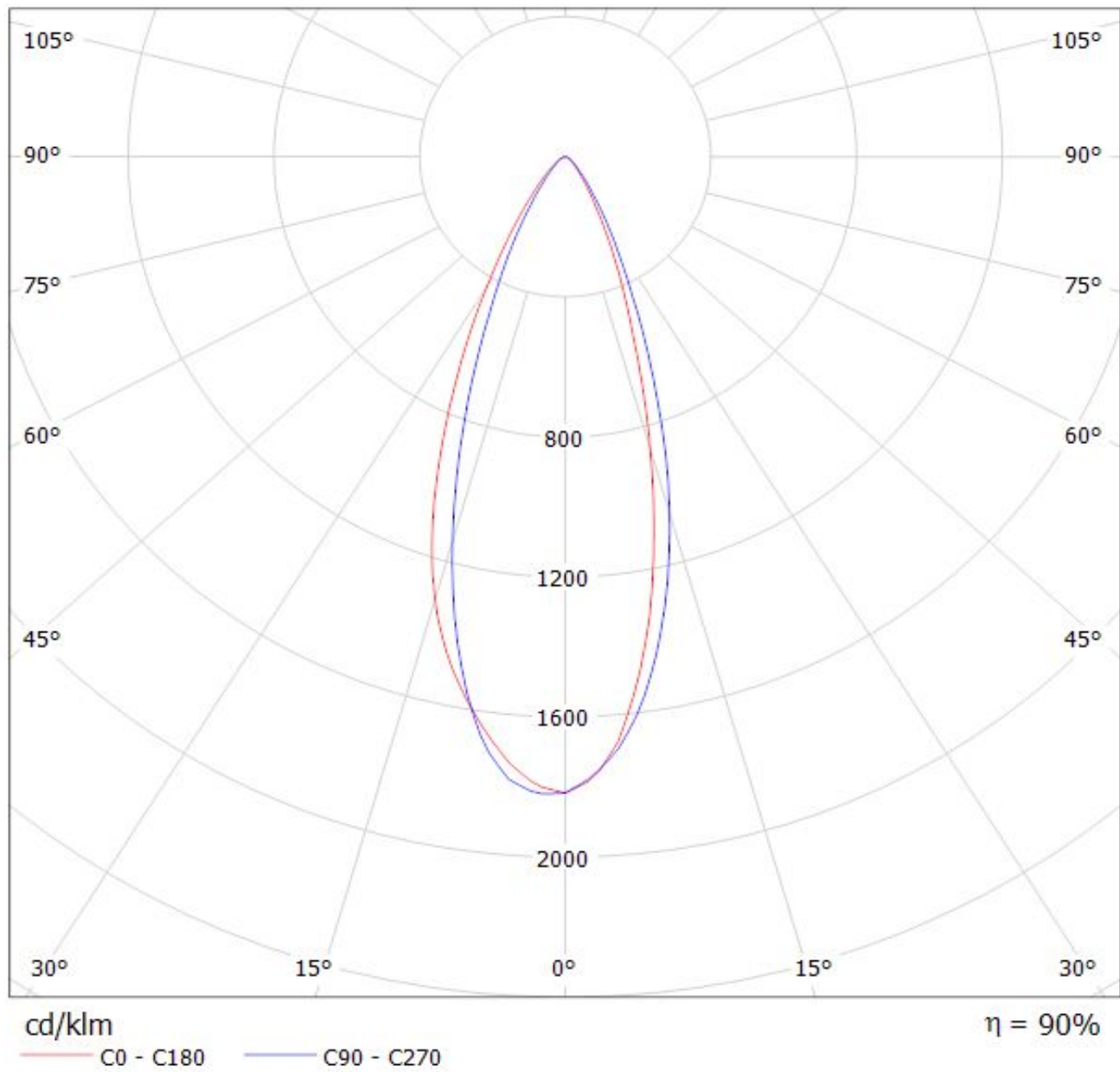


cd/klm

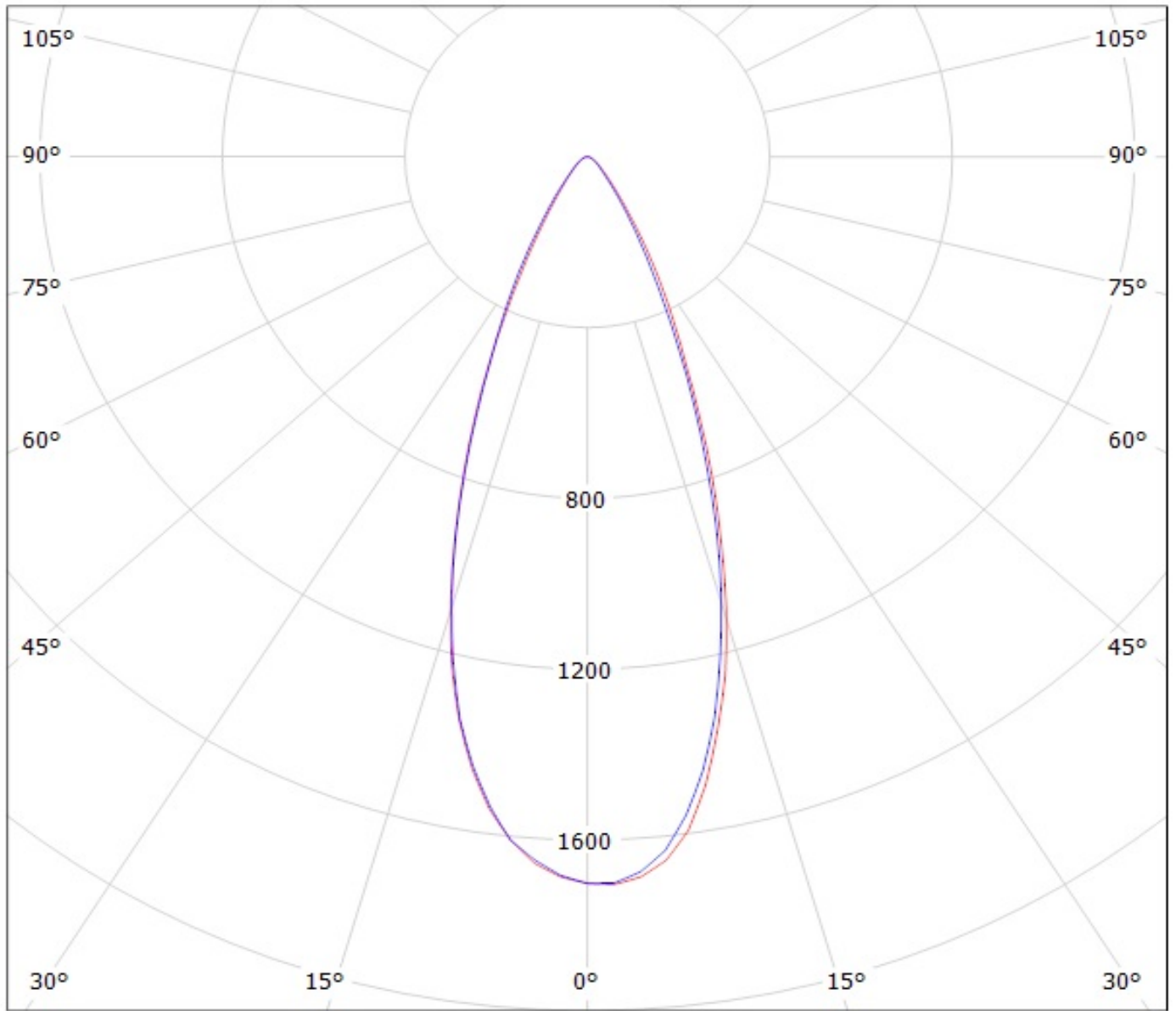
— C0 - C180 — C90 - C270

$\eta = 96\%$

Luminaire: Ledil Oy CA11934_EMILY-W_(LH351B) Efficiency=88%
Lamps: 1 x Samsung LH351B 106lm @ 250mA CCT= P=0.72W I=250mA



Luminaire: Ledil Oy CA11934_EMILY-W_(LH351Z) Efficiency=85%
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



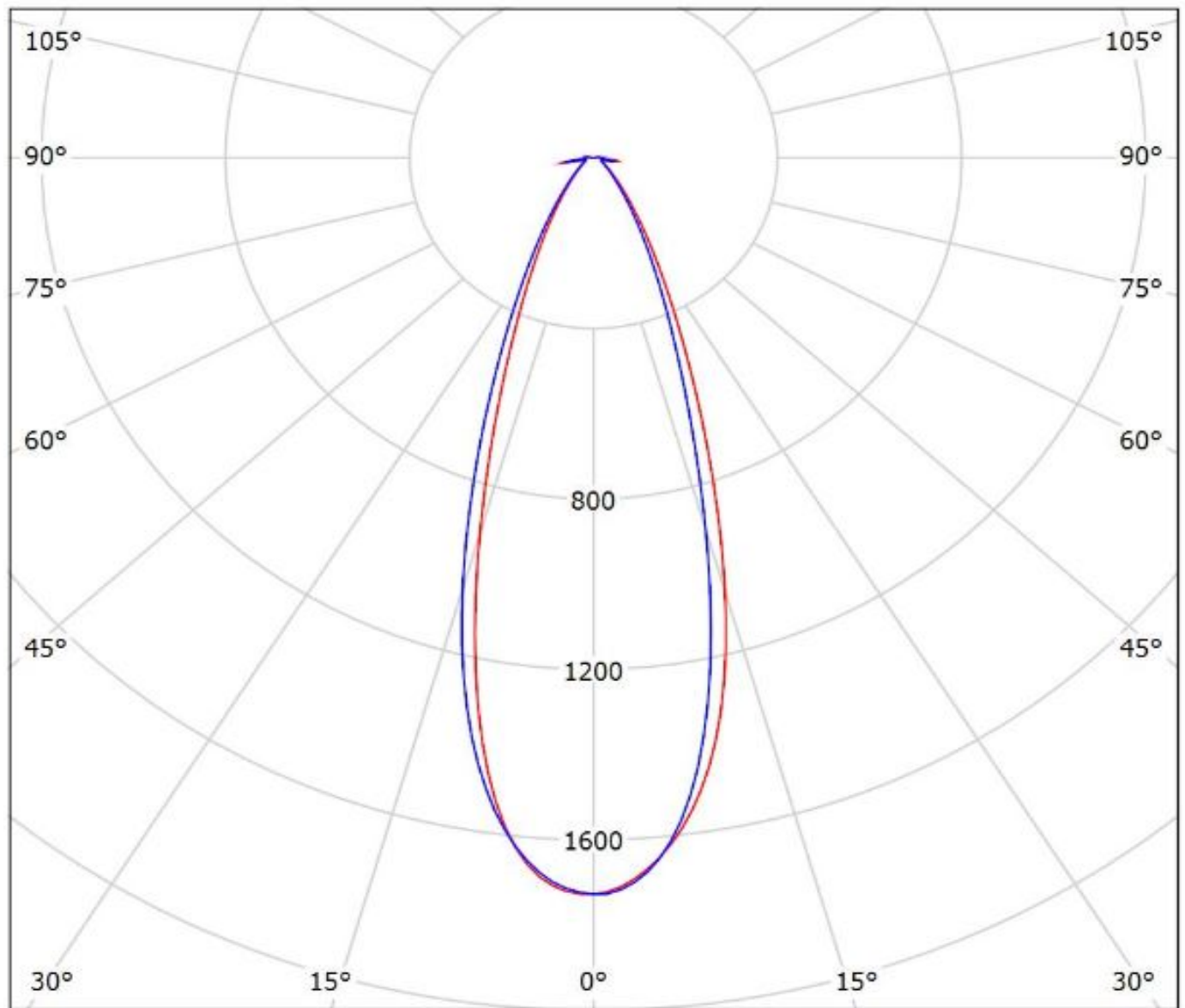
cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil CA11934_EMILY-W_(Z8Y22P)

Lamps: 1 x Seoul_Z8Y22P_(W6E2G)_129.545lm@250mA_P=0.711175W_I=0.25A



cd/klm

— C0 - C180 — C90 - C270

$\eta = 89\%$

NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.